

## Production of minor oil products from refineries - by type

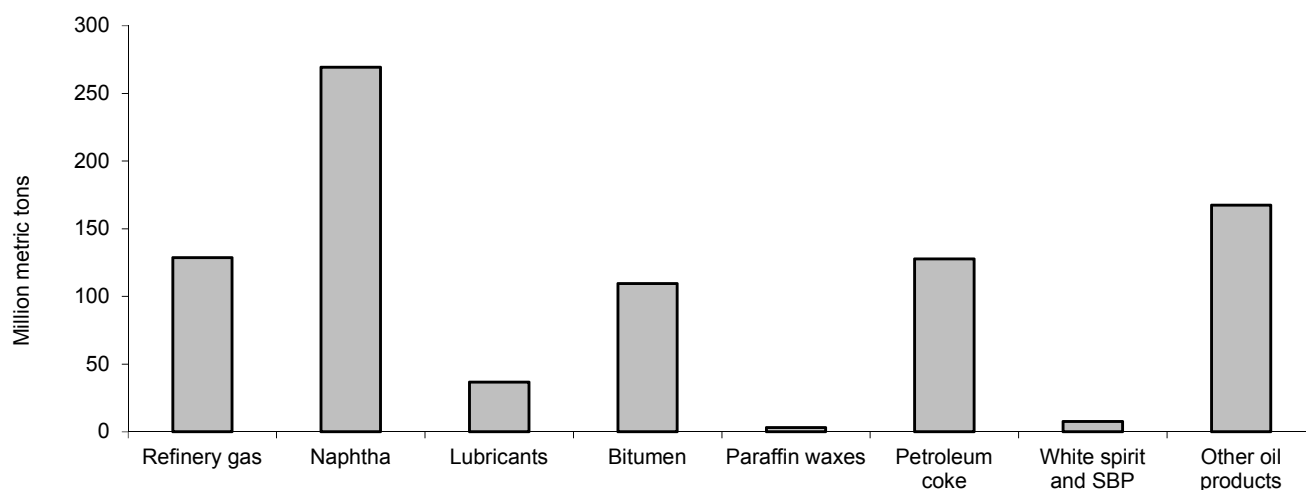
Thousand metric tons

### Table Notes

Data refer to production from refineries of refinery gas, ethane, naphtha, lubricants, bitumen, paraffin waxes, petroleum coke, white spirit, and other oil products (which for this table includes refinery output of feedstocks).

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

**Figure 63: Production of minor oil products from refineries, 2015\***



\*Ethane is included with other oil products

Table 23

## Production of minor oil products from refineries - by type

Thousand metric tons

| Country or area | Year | Refinery gas | Ethane | Naphtha | Lubricants | Bitumen | Paraffin waxes | Petroleum coke | White spirit and SBP | Other oil products |
|-----------------|------|--------------|--------|---------|------------|---------|----------------|----------------|----------------------|--------------------|
| World           | 2012 | 124,419      | 349    | 242,534 | 36,116     | 102,247 | 3,227          | 121,299        | 8,409                | 166,990            |
|                 | 2013 | 122,691      | 212    | 250,160 | 35,506     | 102,444 | 3,266          | 124,859        | 7,433                | 165,750            |
|                 | 2014 | 120,914      | 151    | 258,591 | 36,457     | 104,652 | 3,274          | 125,045        | 7,964                | 166,093            |
|                 | 2015 | 128,644      | 476    | 269,388 | 36,708     | 109,495 | 3,052          | 127,786        | 7,491                | 174,763            |
| Africa          | 2012 | 2,115        | ..     | 11,916  | 360        | 1,829   | 17             | 521            | 125                  | 1,203              |
|                 | 2013 | 2,056        | ..     | 12,051  | 351        | 1,551   | 17             | 500            | 121                  | 2,704              |
|                 | 2014 | 1,923        | ..     | 11,994  | 685        | 1,693   | 12             | 618            | 87                   | 1,326              |
|                 | 2015 | 1,762        | ..     | 10,787  | 569        | 1,479   | 9              | 630            | 98                   | 1,294              |
| Algeria         | 2012 | 273          | ..     | 6,432   | 100        | 209     | ..             | ..             | ..                   | 64                 |
|                 | 2013 | 296          | ..     | 6,336   | 113        | 159     | ..             | ..             | ..                   | 64                 |
|                 | 2014 | 363          | ..     | 8,721   | 145        | 99      | ..             | ..             | ..                   | 272                |
|                 | 2015 | 350          | ..     | 8,372   | 84         | 115     | ..             | ..             | ..                   | 180                |
| Angola          | 2012 | 62           | ..     | 156     | ..         | 5       | ..             | ..             | ..                   | ..                 |
|                 | 2013 | 68           | ..     | 205     | ..         | 3       | ..             | ..             | ..                   | ..                 |
|                 | 2014 | 69           | ..     | 190     | ..         | 3       | ..             | ..             | ..                   | ..                 |
|                 | 2015 | *79          | ..     | 204     | ..         | 0       | ..             | ..             | ..                   | ..                 |
| Cameroon        | 2012 | 83           | ..     | ..      | ..         | ..      | ..             | ..             | ..                   | 148                |
|                 | 2013 | 88           | ..     | ..      | ..         | ..      | ..             | ..             | ..                   | 103                |
|                 | 2014 | 93           | ..     | ..      | ..         | ..      | ..             | ..             | ..                   | 145                |
|                 | 2015 | 67           | ..     | ..      | ..         | ..      | ..             | ..             | ..                   | 154                |
| Congo           | 2012 | ..           | ..     | 10      | ..         | ..      | ..             | ..             | ..                   | 12                 |
|                 | 2013 | ..           | ..     | 11      | ..         | ..      | ..             | ..             | ..                   | 12                 |
|                 | 2014 | ..           | ..     | 10      | ..         | ..      | ..             | ..             | ..                   | 13                 |
|                 | 2015 | ..           | ..     | 10      | ..         | ..      | ..             | ..             | ..                   | 13                 |
| Côte d'Ivoire   | 2012 | 27           | ..     | ..      | 16         | 172     | ..             | ..             | ..                   | ..                 |
|                 | 2013 | 26           | ..     | ..      | 19         | 140     | ..             | ..             | ..                   | ..                 |
|                 | 2014 | 25           | ..     | ..      | 22         | 177     | ..             | ..             | ..                   | ..                 |
|                 | 2015 | 25           | ..     | ..      | 26         | 121     | ..             | ..             | ..                   | ..                 |
| Egypt           | 2012 | 133          | ..     | 2,706   | 0          | 646     | ..             | 252            | ..                   | 342                |
|                 | 2013 | 128          | ..     | 2,634   | 0          | 620     | ..             | 242            | ..                   | 1,531              |
|                 | 2014 | 132          | ..     | 1,221   | 289        | 640     | ..             | 250            | ..                   | 364                |
|                 | 2015 | 130          | ..     | 1,025   | 285        | 632     | ..             | 247            | ..                   | 359                |
| Gabon           | 2012 | ..           | ..     | ..      | 9          | 2       | ..             | ..             | ..                   | ..                 |
|                 | 2013 | ..           | ..     | ..      | 10         | 2       | ..             | ..             | ..                   | ..                 |
|                 | 2014 | ..           | ..     | ..      | 10         | 2       | ..             | ..             | ..                   | ..                 |
|                 | 2015 | ..           | ..     | ..      | 10         | 2       | ..             | ..             | ..                   | ..                 |
| Ghana           | 2012 | 20           | ..     | ..      | ..         | ..      | ..             | ..             | ..                   | ..                 |
|                 | 2013 | 0            | ..     | ..      | ..         | ..      | ..             | ..             | ..                   | ..                 |
|                 | 2014 | 0            | ..     | ..      | ..         | ..      | ..             | ..             | ..                   | ..                 |
|                 | 2015 | 0            | ..     | ..      | ..         | ..      | ..             | ..             | ..                   | ..                 |
| Kenya           | 2012 | 38           | ..     | ..      | 4          | 27      | ..             | ..             | ..                   | 2                  |
|                 | 2013 | 31           | ..     | ..      | 0          | 0       | ..             | ..             | ..                   | 0                  |
|                 | 2014 | 0            | ..     | ..      | 0          | 0       | ..             | ..             | ..                   | 0                  |
|                 | 2015 | 0            | ..     | ..      | 0          | 0       | ..             | ..             | ..                   | 0                  |
| Libya           | 2012 | 172          | ..     | 1,348   | ..         | 45      | ..             | ..             | ..                   | 7                  |
|                 | 2013 | 216          | ..     | 1,533   | ..         | 56      | ..             | ..             | ..                   | 9                  |
|                 | 2014 | 99           | ..     | 682     | ..         | 26      | ..             | ..             | ..                   | 4                  |
|                 | 2015 | 87           | ..     | 539     | ..         | 23      | ..             | ..             | ..                   | 4                  |
| Morocco         | 2012 | 128          | ..     | 493     | 107        | 292     | 1              | ..             | ..                   | 201                |
|                 | 2013 | 185          | ..     | 482     | 65         | 219     | 0              | ..             | ..                   | 179                |
|                 | 2014 | 174          | ..     | 494     | 78         | 339     | 1              | ..             | ..                   | 228                |
|                 | 2015 | 90           | ..     | 204     | 45         | 247     | 1              | ..             | ..                   | 221                |

## Production of minor oil products from refineries - by type

Thousand metric tons

| Country or area       | Year        | Refinery gas  | Ethane     | Naphtha       | Lubricants    | Bitumen       | Paraffin waxes | Petroleum coke | White spirit and SBP | Other oil products |
|-----------------------|-------------|---------------|------------|---------------|---------------|---------------|----------------|----------------|----------------------|--------------------|
| Nigeria               | 2012        | 125           | ..         | 338           | 10            | 0             | ..             | 1              | ..                   | 375                |
|                       | 2013        | 125           | ..         | 401           | 11            | 5             | ..             | 2              | ..                   | 559                |
|                       | 2014        | 84            | ..         | 224           | 12            | 3             | ..             | 10             | ..                   | 248                |
|                       | 2015        | 52            | ..         | 29            | 12            | 0             | ..             | 8              | ..                   | 310                |
| Senegal               | 2012        | 13            | ..         | 53            | ..            | ..            | ..             | ..             | ..                   | ..                 |
|                       | 2013        | 15            | ..         | 85            | ..            | ..            | ..             | ..             | ..                   | ..                 |
|                       | 2014        | 15            | ..         | 89            | ..            | ..            | ..             | ..             | ..                   | ..                 |
|                       | 2015        | 16            | ..         | 95            | ..            | ..            | ..             | ..             | ..                   | ..                 |
| South Africa          | 2012        | 1,008         | ..         | ..            | 114           | 431           | 16             | ..             | 110                  | 39                 |
|                       | 2013        | 845           | ..         | ..            | 133           | 347           | 17             | ..             | 106                  | 37                 |
|                       | 2014        | 834           | ..         | ..            | 129           | 404           | 11             | ..             | 69                   | 38                 |
|                       | 2015        | 829           | ..         | ..            | 107           | 339           | 8              | ..             | 86                   | 40                 |
| Sudan                 | 2012        | 20            | ..         | 8             | ..            | ..            | ..             | 268            | ..                   | 0                  |
|                       | 2013        | 20            | ..         | 18            | ..            | ..            | ..             | 256            | ..                   | *197               |
|                       | 2014        | 21            | ..         | 17            | ..            | ..            | ..             | 358            | ..                   | 0                  |
|                       | 2015        | 24            | ..         | 17            | ..            | ..            | ..             | 375            | ..                   | 0                  |
| Tunisia               | 2012        | ..            | ..         | 372           | ..            | ..            | ..             | ..             | 15                   | ..                 |
|                       | 2013        | ..            | ..         | 346           | ..            | ..            | ..             | ..             | 15                   | ..                 |
|                       | 2014        | ..            | ..         | 346           | ..            | ..            | ..             | ..             | 18                   | ..                 |
|                       | 2015        | ..            | ..         | 292           | ..            | ..            | ..             | ..             | 12                   | ..                 |
| Zambia                | 2012        | 13            | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | 13                 |
|                       | 2013        | 13            | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | 13                 |
|                       | 2014        | 14            | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | 14                 |
|                       | 2015        | 13            | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | 13                 |
| <b>America, North</b> | <b>2012</b> | <b>23,018</b> | <b>287</b> | <b>15,923</b> | <b>9,778</b>  | <b>27,549</b> | <b>413</b>     | <b>61,376</b>  | <b>2,002</b>         | <b>19,096</b>      |
|                       | <b>2013</b> | <b>23,551</b> | <b>145</b> | <b>17,449</b> | <b>10,123</b> | <b>25,519</b> | <b>420</b>     | <b>62,673</b>  | <b>1,873</b>         | <b>16,570</b>      |
|                       | <b>2014</b> | <b>21,721</b> | <b>105</b> | <b>16,473</b> | <b>10,169</b> | <b>25,387</b> | <b>359</b>     | <b>62,968</b>  | <b>1,874</b>         | <b>15,084</b>      |
|                       | <b>2015</b> | <b>22,127</b> | <b>107</b> | <b>15,569</b> | <b>10,599</b> | <b>26,310</b> | <b>249</b>     | <b>62,434</b>  | <b>1,637</b>         | <b>14,644</b>      |
| Aruba                 | 2012        | ..            | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | *2,440             |
|                       | 2013        | ..            | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | 0                  |
|                       | 2014        | ..            | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | 0                  |
|                       | 2015        | ..            | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | 0                  |
| Canada                | 2012        | 4,029         | ..         | 3,505         | 1,128         | 4,510         | ..             | 1,717          | 71                   | 3,753              |
|                       | 2013        | 3,932         | ..         | 3,062         | 1,245         | 4,488         | ..             | 1,725          | 59                   | 4,466              |
|                       | 2014        | 2,632         | ..         | 3,306         | 1,230         | 3,985         | ..             | 1,715          | 55                   | 2,525              |
|                       | 2015        | 3,331         | ..         | 3,562         | 1,056         | 4,196         | ..             | 1,422          | 59                   | 2,494              |
| Cuba                  | 2012        | 18            | ..         | 349           | 47            | 81            | ..             | 1              | ..                   | ..                 |
|                       | 2013        | 30            | ..         | 284           | 48            | 83            | ..             | 18             | ..                   | ..                 |
|                       | 2014        | 27            | ..         | 367           | 49            | 61            | ..             | 12             | ..                   | ..                 |
|                       | 2015        | 19            | ..         | 354           | 50            | 64            | ..             | 8              | ..                   | ..                 |
| Curaçao               | 2012        | 194           | ..         | 310           | 253           | 451           | ..             | 75             | ..                   | 56                 |
|                       | 2013        | 177           | ..         | 337           | 131           | 408           | ..             | 68             | ..                   | 51                 |
|                       | 2014        | 208           | ..         | 373           | 103           | 601           | ..             | 81             | ..                   | 60                 |
|                       | 2015        | 221           | ..         | 359           | 103           | 566           | ..             | 86             | ..                   | 64                 |
| Dominican Republic    | 2012        | 13            | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | ..                 |
|                       | 2013        | 15            | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | ..                 |
|                       | 2014        | 15            | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | ..                 |
|                       | 2015        | 9             | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | ..                 |
| El Salvador           | 2012        | 12            | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | 35                 |
|                       | 2013        | 0             | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | 0                  |
|                       | 2014        | 0             | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | 0                  |
|                       | 2015        | 0             | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | 0                  |

Table 23

## Production of minor oil products from refineries - by type

Thousand metric tons

| Country or area          | Year        | Refinery gas | Ethane | Naphtha      | Lubricants   | Bitumen      | Paraffin waxes | Petroleum coke | White spirit and SBP | Other oil products |
|--------------------------|-------------|--------------|--------|--------------|--------------|--------------|----------------|----------------|----------------------|--------------------|
| Guatemala                | 2012        | ..           | ..     | ..           | ..           | 39           | ..             | ..             | ..                   | ..                 |
|                          | 2013        | ..           | ..     | ..           | ..           | 27           | ..             | ..             | ..                   | ..                 |
|                          | 2014        | ..           | ..     | ..           | ..           | 34           | ..             | ..             | ..                   | ..                 |
|                          | 2015        | ..           | ..     | ..           | ..           | 27           | ..             | ..             | ..                   | ..                 |
| Jamaica                  | 2012        | ..           | ..     | 31           | ..           | 22           | ..             | ..             | ..                   | ..                 |
|                          | 2013        | ..           | ..     | 30           | ..           | 16           | ..             | ..             | ..                   | ..                 |
|                          | 2014        | ..           | ..     | 41           | ..           | 17           | ..             | ..             | ..                   | ..                 |
|                          | 2015        | ..           | ..     | 37           | ..           | 31           | ..             | ..             | ..                   | ..                 |
| Mexico                   | 2012        | 3,494        | ..     | 2,910        | 203          | 1,345        | 37             | 2,579          | ..                   | 72                 |
|                          | 2013        | 3,632        | ..     | 3,427        | 229          | 1,086        | 34             | 3,182          | ..                   | 84                 |
|                          | 2014        | 3,282        | ..     | 3,646        | 192          | 1,388        | 30             | 3,018          | ..                   | 87                 |
|                          | 2015        | 3,193        | ..     | 3,124        | 120          | 1,025        | 26             | 3,053          | ..                   | 78                 |
| Nicaragua                | 2012        | 8            | ..     | ..           | ..           | 6            | ..             | ..             | 12                   | ..                 |
|                          | 2013        | 10           | ..     | ..           | ..           | 8            | ..             | ..             | 21                   | ..                 |
|                          | 2014        | 9            | ..     | ..           | ..           | 7            | ..             | ..             | 19                   | ..                 |
|                          | 2015        | 13           | ..     | ..           | ..           | 8            | ..             | ..             | 22                   | ..                 |
| Trinidad and Tobago      | 2012        | 221          | ..     | 0            | ..           | 31           | ..             | ..             | ..                   | 940                |
|                          | 2013        | 180          | ..     | 68           | ..           | 38           | ..             | ..             | ..                   | 363                |
|                          | 2014        | 179          | ..     | 0            | ..           | 42           | ..             | ..             | ..                   | 381                |
|                          | 2015        | 194          | ..     | 0            | ..           | 35           | ..             | ..             | ..                   | 66                 |
| United States            | 2012        | 15,029       | 287    | 8,818        | 8,147        | 21,064       | 376            | 57,004         | 1,919                | 11,800             |
|                          | 2013        | 15,575       | 145    | 10,241       | 8,470        | 19,365       | 386            | 57,680         | 1,793                | 11,606             |
|                          | 2014        | 15,369       | 105    | 8,740        | 8,595        | 19,251       | 329            | 58,142         | 1,800                | 12,031             |
|                          | 2015        | 15,147       | 107    | 8,133        | 9,270        | 20,358       | 223            | 57,865         | 1,556                | 11,942             |
| <b>America, South</b>    | <b>2012</b> | <b>8,375</b> | ..     | <b>7,674</b> | <b>1,172</b> | <b>3,815</b> | <b>29</b>      | <b>14,102</b>  | <b>521</b>           | <b>9,979</b>       |
|                          | <b>2013</b> | <b>9,599</b> | ..     | <b>6,050</b> | <b>1,235</b> | <b>3,995</b> | <b>28</b>      | <b>14,577</b>  | <b>367</b>           | <b>9,348</b>       |
|                          | <b>2014</b> | <b>8,709</b> | ..     | <b>7,032</b> | <b>1,222</b> | <b>4,481</b> | <b>27</b>      | <b>11,980</b>  | <b>617</b>           | <b>9,731</b>       |
|                          | <b>2015</b> | <b>8,523</b> | ..     | <b>6,738</b> | <b>1,162</b> | <b>3,181</b> | <b>27</b>      | <b>9,424</b>   | <b>547</b>           | <b>8,770</b>       |
| Argentina                | 2012        | 1,218        | ..     | 2,643        | 372          | 532          | 11             | 1,474          | 301                  | 2,970              |
|                          | 2013        | 1,226        | ..     | 1,773        | 358          | 607          | 10             | 1,383          | 30                   | 2,472              |
|                          | 2014        | 1,000        | ..     | 2,954        | 360          | 548          | 10             | 1,286          | 329                  | 2,731              |
|                          | 2015        | 1,109        | ..     | 2,965        | 347          | 511          | 11             | 1,337          | 277                  | 2,584              |
| Bolivia (Plur. State of) | 2012        | 100          | ..     | ..           | 22           | 2            | 1              | ..             | 13                   | 443                |
|                          | 2013        | 101          | ..     | ..           | 24           | 2            | 1              | ..             | 13                   | 167                |
|                          | 2014        | 77           | ..     | ..           | 24           | 2            | 1              | ..             | 13                   | 276                |
|                          | 2015        | 85           | ..     | ..           | 27           | 2            | 1              | ..             | 14                   | 332                |
| Brazil                   | 2012        | 4,121        | ..     | 4,660        | 538          | 2,572        | ..             | 5,075          | 205                  | 2,867              |
|                          | 2013        | 4,779        | ..     | 3,872        | 610          | 2,653        | ..             | 5,483          | 321                  | 2,748              |
|                          | 2014        | 4,953        | ..     | 3,674        | 604          | 3,249        | ..             | 5,413          | 272                  | 2,850              |
|                          | 2015        | 4,870        | ..     | 3,337        | 567          | 2,015        | ..             | 5,652          | 253                  | 2,438              |
| Chile                    | 2012        | 226          | ..     | 60           | ..           | ..           | ..             | 418            | ..                   | 707                |
|                          | 2013        | 227          | ..     | 111          | ..           | ..           | ..             | 359            | ..                   | 723                |
|                          | 2014        | 211          | ..     | 77           | ..           | ..           | ..             | 298            | ..                   | 792                |
|                          | 2015        | 201          | ..     | 121          | ..           | ..           | ..             | 504            | ..                   | 722                |
| Colombia                 | 2012        | 835          | ..     | 311          | ..           | ..           | ..             | ..             | ..                   | *504               |
|                          | 2013        | 285          | ..     | 294          | ..           | ..           | ..             | ..             | ..                   | 366                |
|                          | 2014        | 375          | ..     | 327          | ..           | ..           | ..             | ..             | ..                   | 424                |
|                          | 2015        | 371          | ..     | 315          | ..           | ..           | ..             | ..             | ..                   | 438                |
| Ecuador                  | 2012        | 2            | ..     | ..           | ..           | ..           | ..             | ..             | ..                   | 1,453              |
|                          | 2013        | 4            | ..     | ..           | ..           | ..           | ..             | ..             | ..                   | 1,457              |
|                          | 2014        | 3            | ..     | ..           | ..           | ..           | ..             | ..             | ..                   | 1,443              |
|                          | 2015        | 4            | ..     | ..           | ..           | ..           | ..             | ..             | ..                   | 1,327              |

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## Production of minor oil products from refineries - by type

Thousand metric tons

| Country or area           | Year        | Refinery gas  | Ethane    | Naphtha        | Lubricants    | Bitumen       | Paraffin waxes | Petroleum coke | White spirit and SBP | Other oil products |
|---------------------------|-------------|---------------|-----------|----------------|---------------|---------------|----------------|----------------|----------------------|--------------------|
| Peru                      | 2012        | 169           | ..        | ..             | ..            | ..            | ..             | ..             | ..                   | 309                |
|                           | 2013        | 155           | ..        | ..             | ..            | ..            | ..             | ..             | ..                   | 679                |
|                           | 2014        | 162           | ..        | ..             | ..            | ..            | ..             | ..             | ..                   | 508                |
|                           | 2015        | 149           | ..        | ..             | ..            | ..            | ..             | ..             | ..                   | 262                |
| Suriname                  | 2012        | ..            | ..        | ..             | ..            | 13            | ..             | ..             | ..                   | ..                 |
|                           | 2013        | ..            | ..        | ..             | ..            | 8             | ..             | ..             | ..                   | ..                 |
|                           | 2014        | ..            | ..        | ..             | ..            | 2             | ..             | ..             | ..                   | ..                 |
|                           | 2015        | ..            | ..        | ..             | ..            | 4             | ..             | ..             | ..                   | ..                 |
| Uruguay                   | 2012        | 74            | ..        | ..             | ..            | 44            | ..             | 26             | 2                    | ..                 |
|                           | 2013        | 88            | ..        | ..             | ..            | 64            | ..             | 28             | 3                    | ..                 |
|                           | 2014        | 79            | ..        | ..             | ..            | 45            | ..             | 28             | 3                    | ..                 |
|                           | 2015        | 87            | ..        | ..             | ..            | 50            | ..             | 32             | 3                    | ..                 |
| Venezuela (Bolivar. Rep.) | 2012        | 1,629         | ..        | ..             | 240           | 652           | 17             | 7,109          | ..                   | 726                |
|                           | 2013        | 2,735         | ..        | ..             | 243           | 661           | 17             | 7,324          | ..                   | 736                |
|                           | 2014        | 1,849         | ..        | ..             | 234           | 635           | 16             | 4,955          | ..                   | 707                |
|                           | 2015        | 1,648         | ..        | ..             | 221           | 599           | 15             | 1,899          | ..                   | 667                |
| <b>Asia</b>               | <b>2012</b> | <b>54,281</b> | <b>39</b> | <b>148,368</b> | <b>14,160</b> | <b>44,235</b> | <b>1,756</b>   | <b>31,673</b>  | <b>3,064</b>         | <b>112,107</b>     |
|                           | <b>2013</b> | <b>51,743</b> | <b>32</b> | <b>155,443</b> | <b>13,283</b> | <b>46,641</b> | <b>1,679</b>   | <b>32,568</b>  | <b>2,491</b>         | <b>115,289</b>     |
|                           | <b>2014</b> | <b>51,590</b> | <b>12</b> | <b>159,958</b> | <b>12,992</b> | <b>48,921</b> | <b>1,678</b>   | <b>34,398</b>  | <b>2,193</b>         | <b>117,557</b>     |
|                           | <b>2015</b> | <b>56,445</b> | <b>0</b>  | <b>168,549</b> | <b>13,433</b> | <b>51,706</b> | <b>1,882</b>   | <b>39,966</b>  | <b>2,784</b>         | <b>127,587</b>     |
| Azerbaijan                | 2012        | 263           | ..        | 149            | 63            | 288           | ..             | 231            | ..                   | 269                |
|                           | 2013        | 276           | ..        | 125            | 47            | 313           | ..             | 223            | ..                   | 238                |
|                           | 2014        | 246           | ..        | 235            | 54            | 242           | ..             | 252            | ..                   | 205                |
|                           | 2015        | 216           | ..        | 219            | 26            | 172           | ..             | 255            | ..                   | 286                |
| Bahrain                   | 2012        | ..            | ..        | 1,816          | ..            | 321           | ..             | ..             | ..                   | 701                |
|                           | 2013        | ..            | ..        | 1,869          | ..            | 427           | ..             | ..             | ..                   | 431                |
|                           | 2014        | ..            | ..        | 1,913          | ..            | 609           | ..             | ..             | ..                   | 747                |
|                           | 2015        | ..            | ..        | 1,639          | ..            | 647           | ..             | ..             | ..                   | 466                |
| Bangladesh                | 2012        | 13            | ..        | 113            | 13            | 65            | ..             | ..             | 7                    | 26                 |
|                           | 2013        | 14            | ..        | 139            | 11            | 70            | ..             | ..             | 10                   | 25                 |
|                           | 2014        | 12            | ..        | 132            | 18            | 57            | ..             | ..             | 7                    | 24                 |
|                           | 2015        | 13            | ..        | 162            | 18            | 67            | ..             | ..             | 7                    | 18                 |
| Brunei Darussalam         | 2012        | 38            | ..        | ..             | ..            | ..            | ..             | ..             | ..                   | ..                 |
|                           | 2013        | 28            | ..        | ..             | ..            | ..            | ..             | ..             | ..                   | ..                 |
|                           | 2014        | 14            | ..        | ..             | ..            | ..            | ..             | ..             | ..                   | ..                 |
|                           | 2015        | 14            | ..        | ..             | ..            | ..            | ..             | ..             | ..                   | ..                 |
| China                     | 2012        | 15,674        | ..        | 35,661         | 2,224         | 16,187        | 1,468          | 17,675         | 1,614                | 79,099             |
|                           | 2013        | 16,253        | ..        | 40,492         | 1,137         | 17,938        | 1,410          | 17,393         | 1,228                | 81,587             |
|                           | 2014        | 17,580        | ..        | 43,892         | 1,124         | 19,532        | 1,432          | 18,318         | 824                  | 81,467             |
|                           | 2015        | 18,537        | ..        | 45,850         | 1,172         | 20,078        | 1,614          | 19,004         | 1,473                | 88,834             |
| Georgia                   | 2012        | ..            | ..        | ..             | ..            | 0             | ..             | ..             | ..                   | ..                 |
|                           | 2013        | ..            | ..        | ..             | ..            | 0             | ..             | ..             | ..                   | ..                 |
|                           | 2014        | ..            | ..        | ..             | ..            | 0             | ..             | ..             | ..                   | ..                 |
|                           | 2015        | ..            | ..        | ..             | ..            | ..            | ..             | ..             | ..                   | 2                  |
| India                     | 2012        | 16,560        | ..        | 17,354         | 896           | 4,658         | 52             | 10,943         | ..                   | 17,003             |
|                           | 2013        | 11,125        | ..        | 17,038         | 941           | 4,785         | 56             | 12,068         | ..                   | 17,284             |
|                           | 2014        | *10,774       | ..        | 17,391         | 946           | 4,632         | 53             | 12,448         | ..                   | 18,137             |
|                           | 2015        | *11,643       | ..        | 17,861         | 1,037         | 5,157         | 65             | 13,322         | ..                   | 20,557             |
| Indonesia                 | 2012        | 636           | ..        | 2,795          | 421           | 337           | *18            | *584           | *22                  | *916               |
|                           | 2013        | 644           | ..        | 3,174          | 377           | 242           | 15             | 301            | 62                   | 1,524              |
|                           | 2014        | 759           | ..        | 1,840          | 354           | 182           | 0              | 634            | 14                   | 3,314              |
|                           | 2015        | 632           | ..        | 1,406          | 365           | 171           | 19             | 338            | 18                   | 3,684              |

Table 23

## Production of minor oil products from refineries - by type

Thousand metric tons

| Country or area        | Year | Refinery gas | Ethane | Naphtha | Lubricants | Bitumen | Paraffin waxes | Petroleum coke | White spirit and SBP | Other oil products |
|------------------------|------|--------------|--------|---------|------------|---------|----------------|----------------|----------------------|--------------------|
| Iran (Islamic Rep. of) | 2012 | 1,663        | 39     | 3,067   | 1,538      | 4,116   | ..             | ..             | 57                   | 477                |
|                        | 2013 | 1,806        | 32     | 3,532   | 1,581      | 3,896   | ..             | ..             | 110                  | 418                |
|                        | 2014 | 2,025        | 12     | 3,321   | 1,636      | 4,736   | ..             | ..             | 249                  | 503                |
|                        | 2015 | 1,898        | 0      | 2,475   | 1,718      | 4,861   | ..             | ..             | 149                  | 242                |
| Iraq                   | 2012 | 192          | ..     | 468     | 80         | 682     | 25             | ..             | ..                   | ..                 |
|                        | 2013 | 196          | ..     | 471     | 91         | 852     | 53             | ..             | ..                   | ..                 |
|                        | 2014 | 160          | ..     | 480     | 35         | 708     | 10             | ..             | ..                   | ..                 |
|                        | 2015 | 133          | ..     | 439     | 45         | 276     | 1              | ..             | ..                   | ..                 |
| Israel                 | 2012 | ..           | ..     | 484     | ..         | 226     | ..             | ..             | ..                   | 822                |
|                        | 2013 | ..           | ..     | 795     | ..         | 221     | ..             | ..             | ..                   | 347                |
|                        | 2014 | ..           | ..     | 1,235   | ..         | 199     | ..             | ..             | ..                   | 525                |
|                        | 2015 | ..           | ..     | 1,185   | ..         | 166     | ..             | ..             | ..                   | 439                |
| Japan                  | 2012 | 7,239        | ..     | 13,916  | 2,084      | 3,960   | 73             | 919            | 79                   | 2,214              |
|                        | 2013 | 8,267        | ..     | 15,023  | 2,189      | 3,659   | 66             | 1,021          | 73                   | 2,211              |
|                        | 2014 | 6,863        | ..     | 13,404  | 2,159      | 3,254   | 67             | 1,177          | 72                   | 2,199              |
|                        | 2015 | 7,236        | ..     | 13,987  | 2,169      | 3,264   | 60             | 1,164          | 72                   | 2,204              |
| Jordan                 | 2012 | 32           | ..     | ..      | *16        | 96      | ..             | ..             | ..                   | 4                  |
|                        | 2013 | 33           | ..     | ..      | 25         | 101     | ..             | ..             | ..                   | 4                  |
|                        | 2014 | 32           | ..     | ..      | *25        | 160     | ..             | ..             | ..                   | 3                  |
|                        | 2015 | *40          | ..     | ..      | *17        | *113    | ..             | ..             | ..                   | *3                 |
| Kazakhstan             | 2012 | 150          | ..     | ..      | ..         | 287     | ..             | 198            | ..                   | ..                 |
|                        | 2013 | 148          | ..     | ..      | ..         | 332     | ..             | 262            | ..                   | ..                 |
|                        | 2014 | 111          | ..     | ..      | ..         | 602     | ..             | 278            | ..                   | ..                 |
|                        | 2015 | 111          | ..     | ..      | ..         | 600     | ..             | 256            | ..                   | ..                 |
| Korea, Republic of     | 2012 | 2,689        | ..     | 24,315  | 2,637      | 3,109   | 13             | 290            | 489                  | 2,831              |
|                        | 2013 | 3,803        | ..     | 24,429  | 2,424      | 3,614   | 15             | 305            | 410                  | 3,014              |
|                        | 2014 | 4,077        | ..     | 25,658  | 2,867      | 4,027   | 16             | 327            | 366                  | 3,210              |
|                        | 2015 | 4,499        | ..     | 29,404  | 2,649      | 4,647   | 14             | 360            | 355                  | 2,588              |
| Kuwait                 | 2012 | 423          | ..     | 6,043   | ..         | 209     | ..             | ..             | ..                   | 1,575              |
|                        | 2013 | 402          | ..     | 8,219   | ..         | 100     | ..             | ..             | ..                   | 590                |
|                        | 2014 | 391          | ..     | 8,393   | ..         | 91      | ..             | ..             | ..                   | 574                |
|                        | 2015 | 401          | ..     | 7,844   | ..         | 66      | ..             | ..             | ..                   | 589                |
| Malaysia               | 2012 | 194          | ..     | 3,617   | 172        | 113     | 37             | 15             | ..                   | ..                 |
|                        | 2013 | 192          | ..     | 1,747   | 947        | 154     | 13             | 181            | ..                   | ..                 |
|                        | 2014 | 189          | ..     | 1,787   | 633        | 128     | 61             | 173            | ..                   | ..                 |
|                        | 2015 | 169          | ..     | 2,447   | 867        | 176     | 83             | 237            | ..                   | ..                 |
| Myanmar                | 2012 | 27           | ..     | ..      | ..         | ..      | 1              | 13             | ..                   | 5                  |
|                        | 2013 | 28           | ..     | ..      | ..         | ..      | 1              | 14             | ..                   | 5                  |
|                        | 2014 | 30           | ..     | ..      | ..         | ..      | 1              | 12             | ..                   | 5                  |
|                        | 2015 | 24           | ..     | ..      | ..         | ..      | 1              | 12             | ..                   | 4                  |
| Oman                   | 2012 | 198          | ..     | 585     | 53         | ..      | ..             | ..             | ..                   | 296                |
|                        | 2013 | 174          | ..     | 366     | 47         | ..      | ..             | ..             | ..                   | 212                |
|                        | 2014 | 224          | ..     | 478     | 61         | ..      | ..             | ..             | ..                   | 242                |
|                        | 2015 | 230          | ..     | 485     | 63         | ..      | ..             | ..             | ..                   | 245                |
| Other Asia             | 2012 | 1,111        | ..     | 8,063   | 220        | 648     | ..             | 641            | 75                   | 704                |
|                        | 2013 | 1,204        | ..     | 7,639   | 165        | 621     | ..             | 649            | 70                   | 591                |
|                        | 2014 | 1,199        | ..     | 7,304   | 103        | 636     | ..             | 637            | 79                   | 506                |
|                        | 2015 | 1,132        | ..     | 7,212   | ..         | 617     | ..             | 722            | 61                   | 462                |
| Pakistan               | 2012 | 159          | ..     | 736     | 204        | 155     | *11            | ..             | ..                   | *26                |
|                        | 2013 | 168          | ..     | 878     | 202        | 160     | *12            | ..             | ..                   | *29                |
|                        | 2014 | 169          | ..     | 1,003   | 187        | 170     | *12            | ..             | ..                   | *31                |
|                        | 2015 | 181          | ..     | 1,074   | 200        | 182     | *12            | ..             | ..                   | *34                |

## Production of minor oil products from refineries - by type

Thousand metric tons

| Country or area      | Year | Refinery gas | Ethane | Naphtha | Lubricants | Bitumen | Paraffin waxes | Petroleum coke | White spirit and SBP | Other oil products |
|----------------------|------|--------------|--------|---------|------------|---------|----------------|----------------|----------------------|--------------------|
| Philippines          | 2012 | ..           | ..     | 135     | ..         | ..      | ..             | ..             | ..                   | 407                |
|                      | 2013 | ..           | ..     | 238     | ..         | ..      | ..             | ..             | ..                   | 290                |
|                      | 2014 | ..           | ..     | 243     | ..         | ..      | ..             | ..             | ..                   | 400                |
|                      | 2015 | ..           | ..     | 306     | ..         | ..      | ..             | ..             | ..                   | 1,118              |
| Qatar                | 2012 | 65           | ..     | 3,923   | ..         | ..      | ..             | ..             | ..                   | 1,264              |
|                      | 2013 | 60           | ..     | 3,726   | ..         | ..      | ..             | ..             | ..                   | 781                |
|                      | 2014 | 63           | ..     | 3,556   | ..         | ..      | ..             | ..             | ..                   | 1,030              |
|                      | 2015 | 60           | ..     | 3,775   | ..         | ..      | ..             | ..             | ..                   | 507                |
| Saudi Arabia         | 2012 | 2,351        | ..     | 7,551   | ..         | 2,146   | ..             | ..             | ..                   | 663                |
|                      | 2013 | 2,536        | ..     | 6,900   | ..         | 2,448   | ..             | ..             | ..                   | 674                |
|                      | 2014 | 2,570        | ..     | 8,267   | ..         | 2,657   | ..             | ..             | ..                   | 558                |
|                      | 2015 | 3,975        | ..     | 9,395   | ..         | 2,950   | ..             | 3,664          | ..                   | 1,037              |
| Singapore            | 2012 | 3,178        | ..     | 2,164   | 3,137      | 2,141   | 32             | 143            | 237                  | 870                |
|                      | 2013 | 3,005        | ..     | 1,853   | 2,829      | 2,250   | 25             | 132            | 218                  | 559                |
|                      | 2014 | 2,790        | ..     | 2,168   | 2,561      | 2,882   | 25             | 123            | 205                  | 813                |
|                      | 2015 | 2,633        | ..     | 1,856   | 2,847      | 2,893   | 12             | 114            | 192                  | 391                |
| Sri Lanka            | 2012 | 13           | ..     | 71      | ..         | 27      | ..             | ..             | 4                    | ..                 |
|                      | 2013 | 13           | ..     | 87      | ..         | 5       | ..             | ..             | 3                    | ..                 |
|                      | 2014 | 15           | ..     | 117     | ..         | 0       | ..             | ..             | 3                    | ..                 |
|                      | 2015 | 14           | ..     | 137     | ..         | ..      | ..             | ..             | 2                    | ..                 |
| Syrian Arab Republic | 2012 | 109          | ..     | 673     | 30         | 373     | ..             | ..             | ..                   | 18                 |
|                      | 2013 | 71           | ..     | 445     | 20         | 247     | ..             | ..             | ..                   | 13                 |
|                      | 2014 | 71           | ..     | 445     | 20         | 247     | ..             | ..             | ..                   | 13                 |
|                      | 2015 | 72           | ..     | 445     | 20         | 247     | ..             | ..             | ..                   | 12                 |
| Tajikistan           | 2012 | ..           | ..     | *9      | ..         | 2       | ..             | ..             | ..                   | ..                 |
|                      | 2013 | ..           | ..     | *4      | ..         | 4       | ..             | ..             | ..                   | ..                 |
|                      | 2014 | ..           | ..     | *4      | ..         | 4       | ..             | ..             | ..                   | ..                 |
|                      | 2015 | ..           | ..     | *12     | ..         | 2       | ..             | ..             | ..                   | ..                 |
| Thailand             | 2012 | ..           | ..     | *7,000  | ..         | 1,207   | ..             | ..             | ..                   | 0                  |
|                      | 2013 | ..           | ..     | *8,000  | ..         | 1,198   | ..             | ..             | ..                   | 2,690              |
|                      | 2014 | ..           | ..     | *8,000  | ..         | 1,177   | ..             | ..             | ..                   | 1,537              |
|                      | 2015 | 563          | ..     | *8,000  | ..         | 1,420   | ..             | ..             | ..                   | 1,690              |
| Turkey               | 2012 | 872          | ..     | 308     | 266        | 2,810   | 26             | ..             | 474                  | 492                |
|                      | 2013 | 854          | ..     | 148     | 152        | 2,925   | 12             | ..             | 301                  | 274                |
|                      | 2014 | 791          | ..     | 304     | 116        | 1,917   | 0              | ..             | 368                  | 57                 |
|                      | 2015 | 1,391        | ..     | 273     | 130        | 2,877   | 0              | 500            | 450                  | 404                |
| Turkmenistan         | 2012 | 117          | ..     | ..      | ..         | ..      | ..             | ..             | ..                   | 320                |
|                      | 2013 | 126          | ..     | ..      | ..         | ..      | ..             | ..             | ..                   | 360                |
|                      | 2014 | 127          | ..     | ..      | ..         | ..      | ..             | ..             | ..                   | 370                |
|                      | 2015 | 130          | ..     | ..      | ..         | ..      | ..             | ..             | ..                   | 370                |
| United Arab Emirates | 2012 | 213          | ..     | 7,025   | ..         | ..      | ..             | ..             | ..                   | 920                |
|                      | 2013 | 220          | ..     | 7,375   | ..         | ..      | ..             | ..             | ..                   | 963                |
|                      | 2014 | 218          | ..     | 7,737   | ..         | ..      | ..             | ..             | ..                   | 922                |
|                      | 2015 | 411          | ..     | 10,432  | ..         | ..      | ..             | ..             | ..                   | 1,241              |
| Uzbekistan           | 2012 | 102          | ..     | ..      | 105        | 58      | 1              | 21             | 6                    | 185                |
|                      | 2013 | 97           | ..     | ..      | 99         | 55      | 1              | 20             | 6                    | 175                |
|                      | 2014 | 91           | ..     | ..      | 93         | 52      | 1              | 19             | 6                    | 165                |
|                      | 2015 | 88           | ..     | ..      | 90         | 50      | 1              | 18             | 6                    | 160                |
| Yemen                | 2012 | ..           | ..     | 327     | ..         | 13      | ..             | ..             | ..                   | ..                 |
|                      | 2013 | ..           | ..     | 732     | ..         | 24      | ..             | ..             | ..                   | ..                 |
|                      | 2014 | ..           | ..     | 651     | ..         | 21      | ..             | ..             | ..                   | ..                 |
|                      | 2015 | ..           | ..     | 229     | ..         | 7       | ..             | ..             | ..                   | ..                 |

Table 23

## Production of minor oil products from refineries - by type

Thousand metric tons

| Country or area        | Year        | Refinery gas  | Ethane     | Naphtha       | Lubricants    | Bitumen       | Paraffin waxes | Petroleum coke | White spirit and SBP | Other oil products |
|------------------------|-------------|---------------|------------|---------------|---------------|---------------|----------------|----------------|----------------------|--------------------|
| <b>Europe</b>          | <b>2012</b> | <b>35,223</b> | <b>23</b>  | <b>58,237</b> | <b>10,570</b> | <b>24,227</b> | <b>1,012</b>   | <b>13,108</b>  | <b>2,627</b>         | <b>24,461</b>      |
|                        | <b>2013</b> | <b>34,411</b> | <b>35</b>  | <b>58,692</b> | <b>10,434</b> | <b>24,389</b> | <b>1,122</b>   | <b>13,996</b>  | <b>2,504</b>         | <b>21,567</b>      |
|                        | <b>2014</b> | <b>35,780</b> | <b>34</b>  | <b>62,750</b> | <b>11,310</b> | <b>23,900</b> | <b>1,198</b>   | <b>14,548</b>  | <b>3,128</b>         | <b>22,191</b>      |
|                        | <b>2015</b> | <b>39,254</b> | <b>369</b> | <b>67,458</b> | <b>10,945</b> | <b>26,599</b> | <b>885</b>     | <b>14,862</b>  | <b>2,353</b>         | <b>22,217</b>      |
| Albania                | 2012        | 5             | ..         | 4             | ..            | 25            | ..             | 15             | ..                   | 42                 |
|                        | 2013        | 0             | ..         | 1             | ..            | 29            | ..             | 0              | ..                   | 10                 |
|                        | 2014        | 12            | ..         | 17            | ..            | 62            | ..             | 76             | ..                   | 78                 |
|                        | 2015        | *12           | ..         | 26            | ..            | 83            | ..             | 19             | ..                   | 92                 |
| Austria                | 2012        | 311           | ..         | 1,009         | 2             | 366           | ..             | 70             | ..                   | 32                 |
|                        | 2013        | 311           | ..         | 1,011         | 2             | 314           | ..             | 73             | ..                   | 57                 |
|                        | 2014        | 342           | ..         | 976           | 0             | 314           | ..             | 55             | ..                   | 43                 |
|                        | 2015        | 282           | ..         | 941           | 0             | 290           | ..             | 60             | ..                   | 19                 |
| Belarus                | 2012        | 693           | ..         | ..            | ..            | 563           | ..             | ..             | ..                   | 889                |
|                        | 2013        | 725           | ..         | ..            | ..            | 548           | ..             | ..             | ..                   | 591                |
|                        | 2014        | 769           | ..         | ..            | ..            | 576           | ..             | ..             | ..                   | 1,639              |
|                        | 2015        | 757           | ..         | ..            | ..            | 637           | ..             | ..             | ..                   | 357                |
| Belgium                | 2012        | 820           | ..         | 1,890         | 8             | 1,100         | ..             | 330            | ..                   | 5,991              |
|                        | 2013        | 733           | ..         | 2,314         | 4             | 949           | ..             | 311            | ..                   | 5,508              |
|                        | 2014        | 819           | ..         | 2,569         | 0             | 1,099         | ..             | 330            | ..                   | 4,594              |
|                        | 2015        | 816           | ..         | 2,262         | 0             | 1,095         | ..             | 334            | ..                   | 4,676              |
| Bosnia and Herzegovina | 2012        | ..            | ..         | 19            | 136           | 145           | ..             | ..             | ..                   | 37                 |
|                        | 2013        | ..            | ..         | 5             | 78            | 136           | ..             | ..             | ..                   | 21                 |
|                        | 2014        | ..            | ..         | 7             | 57            | 153           | ..             | ..             | ..                   | *22                |
|                        | 2015        | ..            | ..         | 10            | 56            | 162           | ..             | ..             | ..                   | *22                |
| Bulgaria               | 2012        | 198           | ..         | 303           | ..            | 188           | ..             | 78             | 3                    | 14                 |
|                        | 2013        | 222           | ..         | 275           | ..            | 107           | ..             | 89             | 6                    | 1                  |
|                        | 2014        | 209           | ..         | 249           | ..            | 125           | ..             | 80             | 4                    | 4                  |
|                        | 2015        | 263           | ..         | 300           | ..            | 102           | ..             | 85             | 4                    | 2                  |
| Croatia                | 2012        | 294           | ..         | 59            | 12            | 26            | ..             | 85             | ..                   | 55                 |
|                        | 2013        | 175           | ..         | 30            | 14            | 36            | ..             | 60             | ..                   | 40                 |
|                        | 2014        | 276           | ..         | 31            | 13            | 3             | ..             | 35             | ..                   | 9                  |
|                        | 2015        | 208           | ..         | 52            | 13            | 0             | ..             | 53             | ..                   | 120                |
| Czechia                | 2012        | 158           | ..         | 794           | 90            | 477           | 11             | ..             | ..                   | 1,015              |
|                        | 2013        | 134           | ..         | 737           | 100           | 477           | 9              | ..             | ..                   | 925                |
|                        | 2014        | 151           | ..         | 847           | 88            | 521           | 10             | ..             | ..                   | 990                |
|                        | 2015        | 156           | ..         | 657           | 92            | 440           | 10             | 90             | ..                   | 781                |
| Denmark                | 2012        | 301           | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | ..                 |
|                        | 2013        | 297           | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | ..                 |
|                        | 2014        | 299           | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | ..                 |
|                        | 2015        | 319           | ..         | ..            | ..            | ..            | ..             | ..             | ..                   | ..                 |
| Finland                | 2012        | 428           | ..         | 250           | 284           | 190           | ..             | 126            | 152                  | 135                |
|                        | 2013        | 410           | ..         | 284           | 316           | 261           | ..             | 139            | 161                  | 142                |
|                        | 2014        | 373           | ..         | 294           | 327           | 339           | ..             | 139            | 180                  | 124                |
|                        | 2015        | 385           | ..         | 220           | 257           | 248           | ..             | 114            | 123                  | 118                |
| France                 | 2012        | 1,538         | 7          | 4,362         | 983           | 1,891         | 130            | 635            | 99                   | 1,077              |
|                        | 2013        | 1,358         | 18         | 4,532         | 1,067         | 1,930         | 160            | 503            | 29                   | 820                |
|                        | 2014        | 1,319         | 11         | 4,694         | 1,036         | 1,763         | 154            | 526            | 17                   | 915                |
|                        | 2015        | 1,348         | 2          | 5,209         | 633           | 1,819         | 90             | 527            | 40                   | 802                |
| Germany                | 2012        | 3,795         | ..         | 8,104         | 2,469         | 3,595         | 139            | 1,743          | 22                   | 1,646              |
|                        | 2013        | 3,763         | ..         | 7,812         | 2,419         | 3,410         | 137            | 1,858          | 10                   | 1,286              |
|                        | 2014        | 3,646         | ..         | 7,851         | 2,746         | 3,461         | 154            | 1,764          | 9                    | 1,271              |
|                        | 2015        | 3,839         | ..         | 7,978         | 2,477         | 3,525         | 142            | 1,886          | 2                    | 1,099              |



## Production of minor oil products from refineries - by type

Thousand metric tons

| Country or area     | Year | Refinery gas | Ethane | Naphtha | Lubricants | Bitumen | Paraffin waxes | Petroleum coke | White spirit and SBP | Other oil products |
|---------------------|------|--------------|--------|---------|------------|---------|----------------|----------------|----------------------|--------------------|
| Greece              | 2012 | 590          | ..     | 1,266   | 221        | 253     | ..             | 264            | 2                    | 1,354              |
|                     | 2013 | 532          | ..     | 913     | 237        | 436     | ..             | 435            | ..                   | 702                |
|                     | 2014 | 620          | ..     | 1,327   | 234        | 540     | ..             | 510            | ..                   | 1,100              |
|                     | 2015 | 615          | ..     | 1,471   | 274        | 1,075   | ..             | 473            | ..                   | 1,080              |
| Hungary             | 2012 | 179          | ..     | 1,004   | 130        | 410     | 33             | 340            | 85                   | 643                |
|                     | 2013 | 177          | ..     | 904     | 110        | 402     | 37             | 353            | 91                   | 641                |
|                     | 2014 | 185          | ..     | 902     | 97         | 467     | 42             | 407            | 90                   | 716                |
|                     | 2015 | 180          | ..     | 904     | 124        | 487     | 37             | 402            | 13                   | 695                |
| Ireland             | 2012 | 60           | ..     | 12      | ..         | ..      | ..             | ..             | ..                   | ..                 |
|                     | 2013 | 58           | ..     | 27      | ..         | ..      | ..             | ..             | ..                   | ..                 |
|                     | 2014 | 57           | ..     | 16      | ..         | ..      | ..             | ..             | ..                   | ..                 |
|                     | 2015 | 85           | ..     | 34      | ..         | ..      | ..             | ..             | ..                   | ..                 |
| Italy               | 2012 | 2,729        | ..     | 3,122   | 1,269      | 2,604   | 81             | 1,445          | 5                    | 3,000              |
|                     | 2013 | 2,659        | ..     | 2,729   | 1,175      | 3,104   | 95             | 1,342          | 4                    | 2,179              |
|                     | 2014 | 2,262        | ..     | 2,705   | 1,216      | 2,514   | 86             | 758            | 4                    | 1,919              |
|                     | 2015 | 2,975        | ..     | 2,667   | 1,311      | 3,182   | 98             | 1,463          | 3                    | 2,807              |
| Lithuania           | 2012 | 294          | ..     | ..      | 43         | 110     | ..             | 105            | ..                   | 73                 |
|                     | 2013 | 327          | ..     | ..      | 43         | 126     | ..             | 114            | ..                   | 81                 |
|                     | 2014 | 290          | ..     | ..      | 45         | 91      | ..             | 108            | ..                   | 77                 |
|                     | 2015 | 330          | ..     | ..      | 46         | 137     | ..             | 115            | ..                   | 84                 |
| Netherlands         | 2012 | 2,066        | ..     | 7,720   | 583        | 315     | 276            | 395            | 103                  | 797                |
|                     | 2013 | 1,885        | ..     | 7,644   | 489        | 452     | 329            | 343            | 51                   | 868                |
|                     | 2014 | 2,052        | ..     | 7,144   | 554        | 516     | 422            | 414            | 29                   | 880                |
|                     | 2015 | 2,277        | ..     | 8,805   | 547        | 483     | 117            | 395            | 188                  | 834                |
| Norway              | 2012 | 363          | ..     | 1,914   | ..         | ..      | ..             | 155            | ..                   | ..                 |
|                     | 2013 | 438          | ..     | 1,837   | ..         | ..      | ..             | 212            | ..                   | ..                 |
|                     | 2014 | 431          | ..     | 1,572   | ..         | ..      | ..             | 191            | ..                   | ..                 |
|                     | 2015 | 462          | 332    | 1,705   | ..         | ..      | ..             | 216            | ..                   | ..                 |
| Poland              | 2012 | 889          | ..     | 1,542   | 455        | 1,550   | 78             | ..             | 168                  | 944                |
|                     | 2013 | 766          | ..     | 1,491   | 465        | 1,314   | 69             | ..             | 97                   | 1,008              |
|                     | 2014 | 603          | ..     | 1,557   | 541        | 1,229   | 75             | ..             | 123                  | 1,075              |
|                     | 2015 | 594          | ..     | 1,919   | 592        | 1,480   | 77             | ..             | 116                  | 1,216              |
| Portugal            | 2012 | 19           | ..     | 1,218   | 135        | 163     | 14             | ..             | 17                   | 499                |
|                     | 2013 | 24           | ..     | 960     | 102        | 115     | 8              | ..             | 13                   | 1,127              |
|                     | 2014 | 19           | ..     | 1,180   | 66         | 117     | 9              | ..             | 17                   | 793                |
|                     | 2015 | 13           | ..     | 1,179   | 111        | 167     | 13             | ..             | 26                   | 952                |
| Republic of Moldova | 2012 | ..           | ..     | ..      | 2          | ..      | ..             | ..             | ..                   | 1                  |
|                     | 2013 | ..           | ..     | ..      | 1          | ..      | ..             | ..             | ..                   | 1                  |
|                     | 2014 | ..           | ..     | ..      | 0          | ..      | ..             | ..             | ..                   | 1                  |
|                     | 2015 | ..           | ..     | ..      | 0          | ..      | ..             | ..             | ..                   | 0                  |
| Romania             | 2012 | 700          | ..     | 263     | ..         | 45      | ..             | 695            | 106                  | 118                |
|                     | 2013 | 712          | ..     | 221     | ..         | 46      | ..             | 672            | 79                   | 131                |
|                     | 2014 | 749          | ..     | 280     | ..         | 61      | ..             | 750            | 105                  | 292                |
|                     | 2015 | 734          | ..     | 282     | ..         | 81      | ..             | 740            | 111                  | 198                |
| Russian Federation  | 2012 | 12,661       | ..     | 19,978  | 2,582      | 6,054   | 216            | 1,268          | 1,614                | ..                 |
|                     | 2013 | 12,849       | ..     | 21,477  | 2,628      | 6,193   | 242            | 2,105          | 1,677                | ..                 |
|                     | 2014 | 14,323       | ..     | 25,202  | 3,089      | 5,751   | 191            | 2,736          | 2,181                | ..                 |
|                     | 2015 | 16,323       | ..     | 26,455  | 3,234      | 6,246   | 190            | 2,347          | 1,319                | ..                 |
| Serbia              | 2012 | 37           | ..     | 127     | 8          | 172     | ..             | 25             | ..                   | 170                |
|                     | 2013 | 47           | ..     | 439     | 11         | 240     | ..             | 18             | ..                   | 172                |
|                     | 2014 | 50           | ..     | 351     | 7          | 262     | ..             | 13             | ..                   | 158                |
|                     | 2015 | 57           | ..     | 359     | 9          | 333     | ..             | 14             | ..                   | 208                |

Table 23

## Production of minor oil products from refineries - by type

Thousand metric tons

| Country or area  | Year        | Refinery gas | Ethane | Naphtha    | Lubricants | Bitumen    | Paraffin waxes | Petroleum coke | White spirit and SBP | Other oil products |
|------------------|-------------|--------------|--------|------------|------------|------------|----------------|----------------|----------------------|--------------------|
| Slovakia         | 2012        | 321          | 16     | 371        | ..         | 5          | ..             | 55             | ..                   | 243                |
|                  | 2013        | 452          | 17     | 470        | ..         | 0          | ..             | 56             | ..                   | 281                |
|                  | 2014        | 341          | 23     | 385        | ..         | 0          | ..             | 40             | ..                   | 262                |
|                  | 2015        | 541          | 35     | 415        | ..         | 0          | ..             | 58             | ..                   | 182                |
| Spain            | 2012        | 2,059        | ..     | 318        | 165        | 1,878      | 34             | 3,086          | 179                  | 3,134              |
|                  | 2013        | 1,879        | ..     | 345        | 191        | 2,074      | 36             | 3,435          | 180                  | 2,471              |
|                  | 2014        | 1,956        | ..     | 304        | 337        | 1,917      | 55             | 3,744          | 204                  | 2,455              |
|                  | 2015        | 2,364        | ..     | 1,240      | 396        | 2,491      | 84             | 3,660          | 257                  | 2,709              |
| Sweden           | 2012        | 623          | ..     | 240        | 435        | 702        | ..             | 65             | ..                   | 1,250              |
|                  | 2013        | 499          | ..     | 201        | 436        | 790        | ..             | 52             | ..                   | 1,282              |
|                  | 2014        | 748          | ..     | 0          | 403        | 895        | ..             | 67             | ..                   | 1,706              |
|                  | 2015        | 768          | ..     | 0          | 350        | 945        | ..             | 63             | ..                   | 1,805              |
| Switzerland      | 2012        | 168          | ..     | 20         | ..         | ..         | ..             | 56             | ..                   | 17                 |
|                  | 2013        | 227          | ..     | 20         | ..         | ..         | ..             | 53             | ..                   | 38                 |
|                  | 2014        | 225          | ..     | ..         | ..         | ..         | ..             | 60             | ..                   | 34                 |
|                  | 2015        | 124          | ..     | ..         | ..         | ..         | ..             | 11             | ..                   | 40                 |
| Ukraine          | 2012        | 269          | ..     | ..         | 101        | 178        | ..             | ..             | ..                   | 20                 |
|                  | 2013        | 288          | ..     | ..         | 159        | 123        | ..             | ..             | ..                   | 155                |
|                  | 2014        | 388          | ..     | ..         | 81         | 118        | ..             | ..             | ..                   | 236                |
|                  | 2015        | 123          | ..     | ..         | 73         | 101        | ..             | ..             | ..                   | 247                |
| United Kingdom   | 2012        | 2,655        | ..     | 2,328      | 457        | 1,222      | 0              | 2,072          | 72                   | 1,265              |
|                  | 2013        | 2,464        | ..     | 2,013      | 387        | 777        | 0              | 1,773          | 106                  | 1,029              |
|                  | 2014        | 2,266        | ..     | 2,290      | 373        | 1,006      | 0              | 1,745          | 165                  | 798                |
|                  | 2015        | 2,304        | ..     | 2,368      | 350        | 990        | 27             | 1,737          | 151                  | 1,072              |
| <b>Oceania</b>   | <b>2012</b> | <b>1,408</b> | ..     | <b>416</b> | <b>76</b>  | <b>592</b> | ..             | <b>520</b>     | <b>70</b>            | <b>145</b>         |
|                  | <b>2013</b> | <b>1,331</b> | ..     | <b>474</b> | <b>80</b>  | <b>350</b> | ..             | <b>545</b>     | <b>77</b>            | <b>272</b>         |
|                  | <b>2014</b> | <b>1,191</b> | ..     | <b>385</b> | <b>79</b>  | <b>270</b> | ..             | <b>533</b>     | <b>65</b>            | <b>205</b>         |
|                  | <b>2015</b> | <b>532</b>   | ..     | <b>287</b> | <b>0</b>   | <b>220</b> | ..             | <b>470</b>     | <b>72</b>            | <b>251</b>         |
| Australia        | 2012        | 1,120        | ..     | 160        | 76         | 475        | ..             | 520            | 70                   | 47                 |
|                  | 2013        | 1,040        | ..     | 99         | 80         | 253        | ..             | 545            | 77                   | 181                |
|                  | 2014        | 912          | ..     | 124        | 79         | 156        | ..             | 533            | 65                   | 101                |
|                  | 2015        | 246          | ..     | 26         | 0          | 118        | ..             | 470            | 72                   | 140                |
| New Zealand      | 2012        | 288          | ..     | ..         | ..         | 117        | ..             | ..             | ..                   | 68                 |
|                  | 2013        | 291          | ..     | ..         | ..         | 97         | ..             | ..             | ..                   | 54                 |
|                  | 2014        | 279          | ..     | ..         | ..         | 114        | ..             | ..             | ..                   | 70                 |
|                  | 2015        | 286          | ..     | ..         | ..         | 102        | ..             | ..             | ..                   | 76                 |
| Papua New Guinea | 2012        | ..           | ..     | 256        | ..         | ..         | ..             | ..             | ..                   | *30                |
|                  | 2013        | ..           | ..     | 375        | ..         | ..         | ..             | ..             | ..                   | 37                 |
|                  | 2014        | ..           | ..     | 261        | ..         | ..         | ..             | ..             | ..                   | 34                 |
|                  | 2015        | ..           | ..     | *261       | ..         | ..         | ..             | ..             | ..                   | *35                |