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Monthly oil price statistics

Next release: 14 November 2017

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NOTES

Abbreviations

cif *cost of insurance and freight included*

Sources

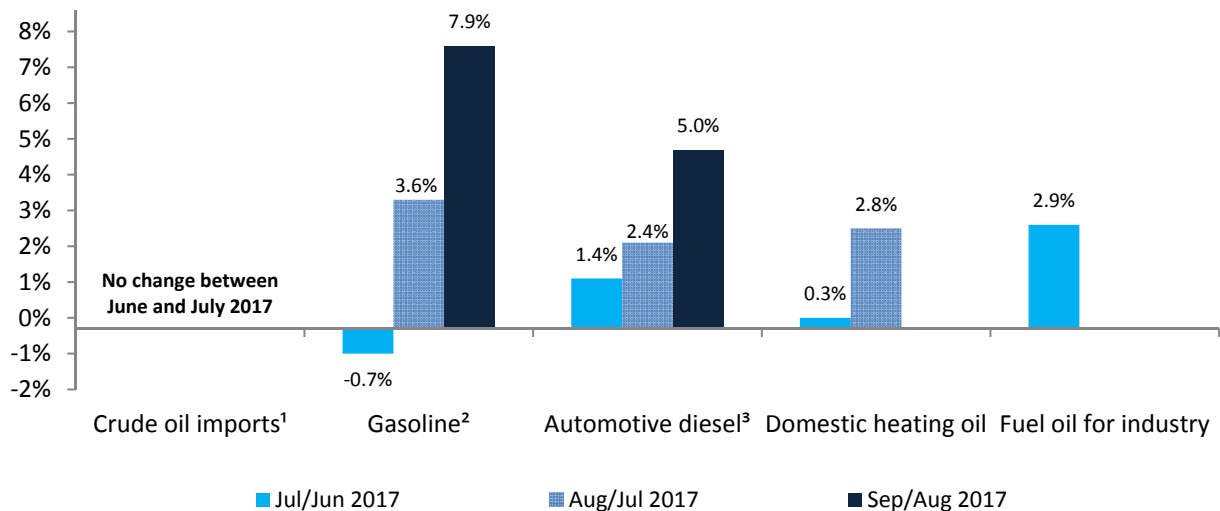
- Crude oil import costs are derived from the IEA's monthly survey of its member countries.*
- Monthly oil products prices and taxes have been developed by the IEA Secretariat using data extracted from the following sources, supplemented by tax information supplied by national agencies:*
Canada - Natural Resources Canada
France, Germany, Italy, Spain and United Kingdom - European Commission's Directorate-General for Energy and the German Federal Ministry for Economic Affairs and Energy
Japan - Ministry for Economy, Trade and Industry's Agency for Natural Resources and United States - US Energy Information Administration, US Bureau of Labour Statistics
The IEA Secretariat thanks all agencies concerned.

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<http://www.iea.org/t&c/termsandconditions/>

KEY TRENDS

- Average crude oil import costs for IEA countries in July 2017 showed no change from the previous month, as import cost increased in Europe and decreased in Japan and North America. Overall import costs were 2.5 USD per barrel higher than in July 2016.
- Due to increases in North America and Europe, gasoline prices in IEA countries rose by 8% in September 2017 compared to August, the largest monthly price change since April 2016. Gasoline prices in IEA countries were 16% higher than in September 2016.
- Automotive diesel prices continued to increase in September 2017, albeit more moderately compared to gasoline, to a level that was 13% higher than one year before.

Chart 1: Latest IEA monthly crude oil and oil product price changes



1. Volume-weighted average cif cost, reported in US dollars; includes France, Germany, Italy, Spain, UK, Japan, Canada and USA.

2. Unleaded premium (95 RON) for France, Germany, Italy, Spain and the United Kingdom; regular unleaded for Canada, Japan and the United States.

3. Automotive diesel for non-commercial use.

Chart 2: IEA crude oil import costs¹

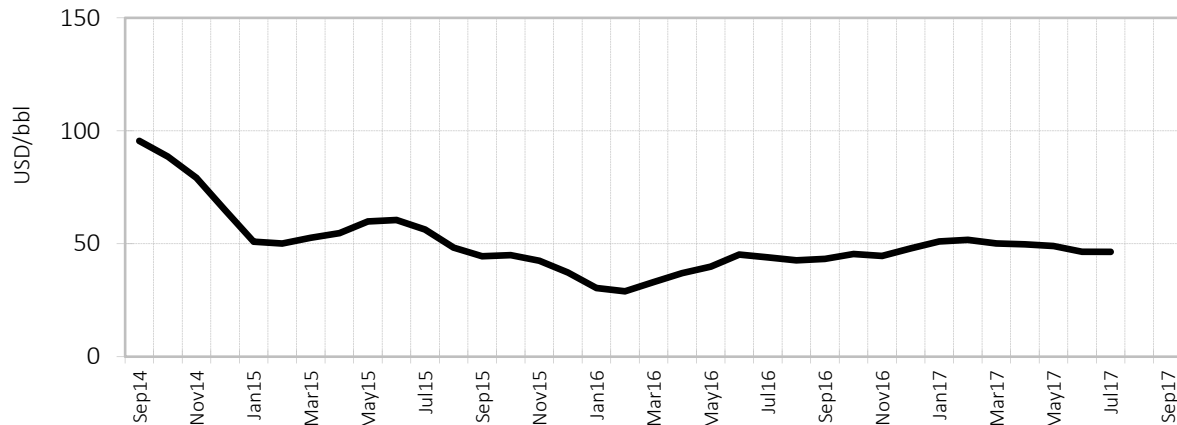


Chart 3: IEA end-use prices for selected oil products²

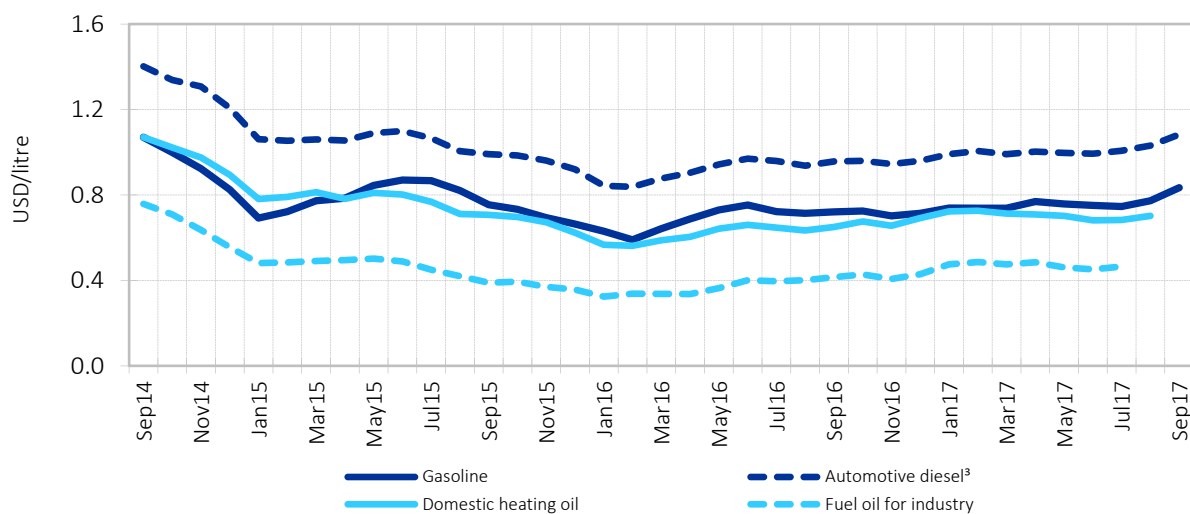
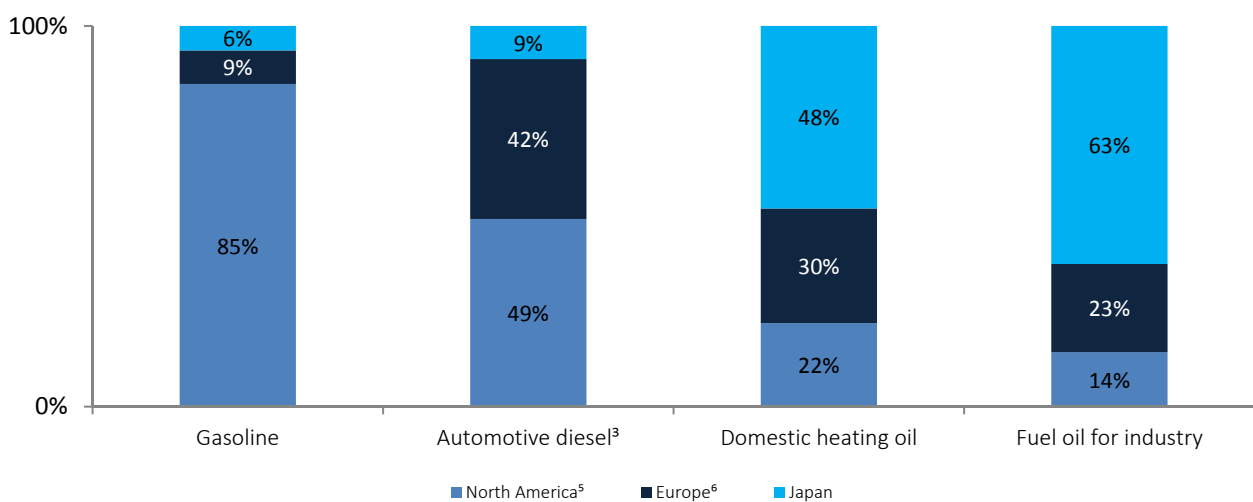


Chart 4: Regional weights for IEA average end-use prices⁴



1. Volume-weighted average cif cost, reported in US dollars; includes France, Germany, Italy, Spain, UK, Japan, Canada and USA.
 2. Consumption-weighted average price including taxes using current exchange rates for France, Germany, Italy, Spain, UK, Japan, Canada and USA.
 3. Automotive diesel for non-commercial use.
 4. Consumption-based regional weights used in average end-use price calculations. The splits shown are average 2016 values.
 5. Includes the United States and Canada.
 6. Includes France, Germany, Italy, Spain and the United Kingdom.

Chart 5: IEA end-use prices¹ for selected oil products

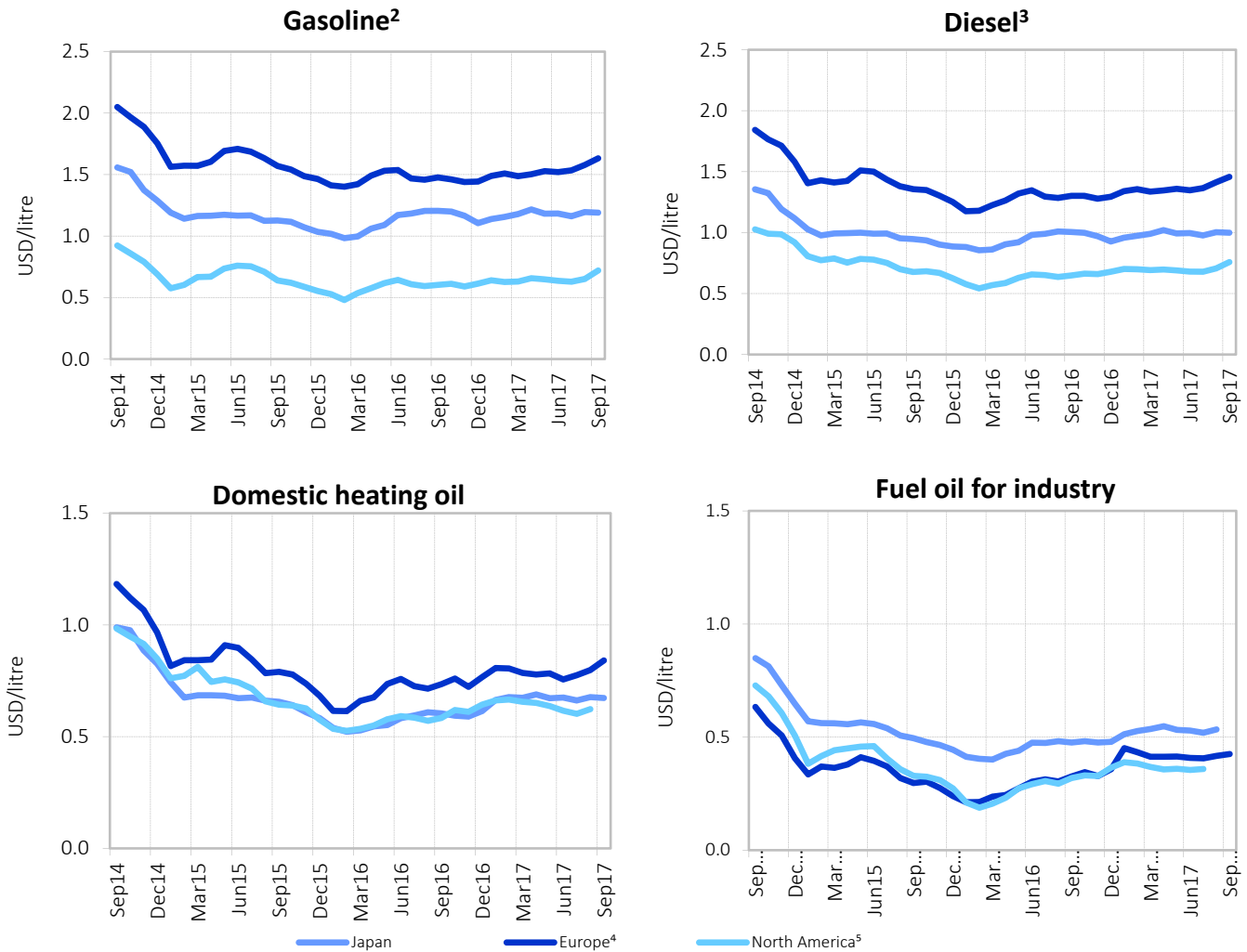
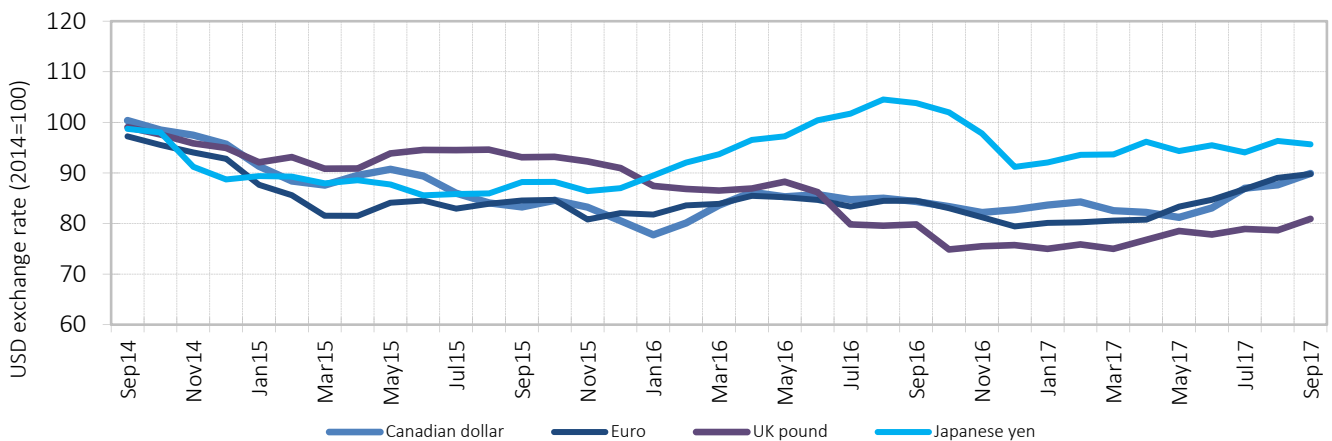


Chart 6: US dollar exchange rate indices (2014=100)⁶



1. Consumption-weighted average price including taxes. For the two most recent months, consumption is estimated using growth rates for the same period of the previous year.
2. Unleaded premium (95 RON) for France, Germany, Italy, Spain and the United Kingdom; regular unleaded for Canada, Japan and the United States.
3. Automotive diesel for non-commercial use.
4. Includes France, Germany, Italy, Spain and the United Kingdom.
5. Includes the United States and Canada.
6. US dollar exchange rate indices are based on exchange rates from the OECD's National Accounts database. An increase in the index indicates a strengthening of the currency compared to US dollars. Such fluctuations create differences in price trends in US dollars compared to those in national currencies.

Table 1: IEA average crude oil import costs¹*US dollars per barrel*

	France	Germany	Italy	Spain	UK	Japan	Canada	USA	Total ²
1997	18.99	19.01	18.88	18.34	19.32	20.55	20.59	18.34	19.11
1998	12.43	12.48	12.21	11.80	12.64	13.68	13.15	12.02	12.52
1999	17.45	17.51	17.10	16.99	18.01	17.38	17.85	17.06	17.26
2000	28.18	28.09	27.77	27.16	28.45	28.72	29.10	27.54	27.98
2001	24.13	24.15	23.87	23.32	24.45	25.01	24.87	22.07	23.44
2002	24.63	24.40	24.34	23.95	24.58	24.96	24.97	23.52	24.17
2003	28.87	28.44	28.58	28.13	29.13	29.26	29.53	27.66	28.37
2004	37.61	36.65	36.60	36.03	37.75	36.59	38.13	35.86	36.44
2005	52.74	52.30	51.33	50.54	53.79	51.57	52.37	48.82	50.59
2006	63.69	63.29	62.50	60.99	65.00	64.03	64.33	59.17	61.60
2007	72.22	71.60	70.20	68.66	73.80	70.09	70.04	66.77	69.02
2008	97.63	96.70	96.67	94.86	99.34	100.98	101.41	94.97	97.01
2009	61.64	61.18	60.69	59.78	62.39	61.29	60.29	58.83	60.11
2010	79.78	78.49	79.29	77.84	80.60	79.43	79.14	76.02	77.79
2011	111.78	110.63	110.23	108.50	113.49	109.30	110.80	102.43	106.77
2012	112.01	112.21	112.18	109.48	112.62	114.75	110.61	101.16	107.78
2013	109.56	109.62	109.98	106.77	110.27	110.61	108.60	97.25	104.53
2014	99.40	99.76	99.09	97.07	100.07	104.16	98.60	89.43	96.23
2015	53.14	52.65	52.06	49.51	53.81	54.20	53.48	45.83	50.13
2016	43.48	42.80	42.33	40.08	44.62	41.79	43.60	37.94	40.43
2Q2014	109.95	109.67	109.50	106.79	110.56	109.62	106.43	97.50	104.43
3Q2014	102.48	102.61	102.95	100.74	104.23	108.61	102.03	93.61	100.03
4Q2014	77.50	77.87	77.52	75.14	78.74	86.22	80.51	72.41	77.30
1Q2015	55.07	54.35	54.36	51.18	55.15	54.92	54.63	46.27	51.27
2Q2015	61.75	61.74	61.02	57.56	62.24	60.73	60.34	54.47	58.31
3Q2015	51.68	50.83	50.81	48.31	52.03	56.25	52.77	45.26	49.71
4Q2015	44.52	43.44	42.80	41.25	45.38	45.06	44.93	37.76	41.49
1Q2016	34.40	33.21	32.54	30.76	35.09	32.20	35.86	28.11	30.83
2Q2016	43.99	44.19	43.64	41.58	45.65	41.95	44.27	38.75	41.23
3Q2016	45.94	45.14	44.61	42.15	46.57	45.95	45.88	40.84	43.31
4Q2016	48.89	48.42	47.49	45.71	49.36	47.64	48.84	43.62	46.03
1Q2017	53.89	53.28	52.51	51.08	54.51	55.16	54.48	47.19	50.94
2Q2017	49.68	50.25	48.97	47.77	50.52	52.75	51.22	45.70	48.41
Jul-15	57.36	57.20	56.60	54.60	58.40	62.48	58.69	52.44	56.30
Aug-15	50.72	48.05	48.87	46.49	49.59	56.47	51.89	43.63	48.30
Sep-15	47.76	47.32	46.68	43.56	47.89	49.24	46.95	39.71	44.45
Oct-15	48.67	47.38	47.51	45.85	49.14	47.23	46.75	41.07	44.94
Nov-15	45.95	44.09	43.93	42.66	45.67	46.50	46.36	38.79	42.48
Dec-15	39.38	39.09	37.60	35.34	40.24	41.83	42.06	33.47	37.25
Jan-16	33.20	31.40	30.47	29.45	33.36	34.12	32.40	27.55	30.38
Feb-16	32.50	31.83	31.25	29.07	32.13	29.50	39.99	26.37	28.94
Mar-16	37.51	36.41	36.04	33.41	38.87	32.83	36.71	30.34	33.03
Apr-16	40.48	39.63	38.53	37.83	41.51	37.95	39.14	34.28	36.99
May-16	c	45.21	45.34	43.25	46.84	42.00	43.97	38.87	39.85
Jun-16	48.44	47.31	47.27	44.20	49.27	46.31	49.01	43.09	45.20
Jul-16	45.71	45.04	44.35	42.49	46.13	47.27	46.84	41.95	43.97
Aug-16	45.28	44.84	44.76	41.17	45.96	44.92	44.45	40.23	42.66
Sep-16	46.82	45.55	44.72	42.87	47.73	45.68	46.56	40.26	43.29
Oct-16	48.08	47.85	48.26	45.22	49.17	45.69	48.63	43.38	45.44
Nov-16	46.11	45.42	43.78	43.48	45.89	49.56	47.77	42.15	44.60
Dec-16	52.47	51.73	50.55	48.66	53.23	47.68	50.08	45.28	47.95
Jan-17	54.78	54.24	53.23	52.01	55.41	54.25	54.18	46.90	51.00
Feb-17	55.00	54.41	53.58	50.82	55.56	55.64	55.39	48.18	51.73
Mar-17	52.07	51.25	50.46	50.30	52.74	55.68	54.01	46.55	50.13
Apr-17	52.09	52.13	51.37	49.38	52.39	53.66	52.80	46.21	49.75
May-17	49.29	50.45	49.84	47.87	51.04	53.49	50.84	46.82	48.99
Jun-17	47.89	47.81	46.08	45.98	47.93	50.85	50.09	43.98	46.42
Jul-17	48.28	47.91	47.18	46.48	48.58	48.00	48.69	44.41	46.42

1. Average cost, cif basis, reported in US dollars.

2. Volume-weighted average cost for France, Germany, Italy, Spain, UK, Japan, Canada and USA.

Table 2: IEA average end-use total and ex-tax prices for selected oil products**September 2017**

<i>National currencies</i> ¹							<i>US dollars</i>						
	Total price	% change from		Ex-tax price	% change from		Total price	% change from		Ex-tax price	% change from		
		<i>Aug-17</i>	<i>Sep-16</i>		<i>Aug-17</i>	<i>Sep-16</i>		<i>Aug-17</i>	<i>Sep-16</i>		<i>Aug-17</i>	<i>Sep-16</i>	
Gasoline ² (per litre)													
France	1.364	1.9	5.6	0.478	4.8	11.4	1.625	2.8	12.2	0.569	5.7	18.4	France
Germany	1.386	2.1	5.2	0.510	5.2	12.6	1.651	3.0	11.8	0.608	6.0	19.6	Germany
Italy	1.519	1.4	4.5	0.517	3.4	11.7	1.809	2.3	11.1	0.616	4.3	18.6	Italy
Spain	1.210	1.8	4.6	0.539	3.3	9.1	1.441	2.6	11.1	0.642	4.1	15.9	Spain
UK	1.183	2.2	6.4	0.406	5.5	17.0	1.576	5.1	7.8	0.541	8.5	18.6	UK
Japan	131.7	0.3	7.2	65.6	0.6	14.1	1.190	-0.4	-1.3	0.593	-0.1	5.1	Japan
Canada	1.184	5.0	12.7	0.791	7.3	19.1	0.964	7.7	20.1	0.644	10.1	27.0	Canada
USA	0.699	11.1	19.3	0.577	13.8	23.6	0.699	11.1	19.3	0.577	13.8	23.6	USA
Diesel ³ (per litre)													
France	1.214	1.3	9.3	0.465	3.1	12.0	1.446	2.2	16.1	0.554	4.0	19.0	France
Germany	1.164	2.3	5.8	0.508	4.5	11.9	1.387	3.1	12.4	0.605	5.4	18.9	Germany
Italy	1.369	1.2	5.4	0.505	2.6	12.7	1.631	2.0	12.0	0.602	3.5	19.8	Italy
Spain	1.085	1.3	5.3	0.530	2.3	9.7	1.292	2.2	11.9	0.631	3.2	16.6	Spain
UK	1.201	2.1	5.9	0.421	5.3	15.3	1.600	5.0	7.4	0.561	8.3	16.9	UK
Japan	110.5	0.3	7.8	70.1	0.4	12.0	0.999	-0.4	-0.7	0.633	-0.3	3.2	Japan ³
Canada	1.091	3.8	11.7	0.787	5.1	16.1	0.888	6.5	19.0	0.640	7.8	23.7	Canada ³
USA	0.736	7.3	16.3	0.596	9.2	20.2	0.736	7.3	16.3	0.596	9.2	20.2	USA
Domestic heating oil (per litre)													
France	0.720	3.8	12.4	0.481	4.8	9.9	0.857	4.7	19.4	0.573	5.7	16.8	France
Germany	0.592	3.9	10.7	0.436	4.4	12.4	0.705	4.7	17.6	0.520	5.3	19.4	Germany
Italy	1.153	2.5	3.5	0.542	4.4	6.3	1.374	3.3	10.0	0.646	5.2	13.0	Italy
Spain	0.628	2.1	5.8	0.430	2.6	7.1	0.748	2.9	12.4	0.512	3.4	13.8	Spain
UK	0.510	4.3	14.8	0.374	5.7	20.1	0.679	7.3	16.4	0.498	8.7	21.8	UK
Japan ⁴	74.444	0.1	20.9	66.390	0.1	21.9	0.673	-0.6	11.4	0.600	-0.6	12.3	Japan ⁴
Canada	0.962	3.8	-0.4	0.855	4.1	-0.5	0.783	6.5	6.1	0.696	6.8	6.1	Canada
USA	..	..	..	..	..	..	..	..	..	..	..	..	USA
Low sulphur fuel oil for industry ⁵ (per kg)													
France	0.437	2.4	17.1	0.341	3.1	12.2	0.520	3.3	24.4	0.407	4.0	19.2	France
Germany	..	..	..	..	..	..	..	..	..	..	..	..	Germany
Italy	0.363	3.2	10.3	0.332	3.5	11.4	0.433	4.0	17.2	0.395	4.3	18.4	Italy
Spain	0.338	-1.7	9.5	0.322	-1.7	10.1	0.403	-0.8	16.3	0.383	-0.9	16.9	Spain
UK	..	..	..	..	..	..	..	..	..	..	..	..	UK
Japan	..	..	..	..	..	..	..	..	..	..	..	..	Japan
Canada	..	..	..	..	..	..	..	..	..	..	..	..	Canada
USA	..	..	..	..	..	..	..	..	..	..	..	..	USA

1. Euros for France, Germany, Italy and Spain; pounds for UK; yen for Japan; Canadian dollars for Canada; US dollars for USA.

2. Unleaded premium (95 RON) for France, Germany, Italy, Spain, UK; regular unleaded for Canada, Japan and the United States.

3. Automotive diesel for non-commercial use.

4. Kerosene for Japan.

5. VAT excluded from prices for France, Italy, Spain and UK as it is refunded to industry.

See Tables 3 and 4 for a historical comparison of end-use prices and taxes.

Table 3: IEA average end-use prices for selected oil products*National currencies*¹

	Oct16	Nov16	Dec16	Jan17	Feb17	Mar17	Apr17	May17	Jun17	Jul17	Aug17	Sep17
Gasoline² (per litre)												
France	1.327	1.320	1.352	1.408	1.415	1.392	1.396	1.375	1.349	1.321	1.338	1.364
Germany	1.334	1.324	1.371	1.398	1.407	1.373	1.398	1.378	1.360	1.347	1.357	1.386
Italy	1.479	1.471	1.498	1.543	1.551	1.543	1.543	1.535	1.505	1.490	1.498	1.519
Spain	1.181	1.169	1.205	1.241	1.250	1.229	1.239	1.218	1.188	1.174	1.189	1.210
UK	1.138	1.153	1.145	1.187	1.202	1.193	1.175	1.165	1.153	1.139	1.158	1.183
Japan	124.5	126.1	128.3	130.9	130.8	133.3	133.9	132.6	131.2	130.7	131.3	131.7
Canada	1.082	1.020	1.085	1.135	1.087	1.094	1.178	1.139	1.092	1.095	1.128	1.184
USA	0.594	0.576	0.596	0.621	0.609	0.614	0.639	0.632	0.620	0.608	0.629	0.699
Diesel³ (per litre)												
France	1.151	1.146	1.186	1.259	1.266	1.248	1.240	1.216	1.186	1.172	1.198	1.214
Germany	1.132	1.129	1.183	1.201	1.197	1.176	1.179	1.155	1.127	1.126	1.138	1.164
Italy	1.325	1.324	1.354	1.397	1.401	1.396	1.397	1.385	1.357	1.337	1.353	1.369
Spain	1.060	1.051	1.093	1.128	1.129	1.114	1.111	1.090	1.058	1.050	1.071	1.085
UK	1.162	1.181	1.180	1.218	1.232	1.222	1.204	1.188	1.174	1.157	1.176	1.201
Japan	103.6	105.0	107.6	110.2	110.2	111.9	112.3	111.4	110.4	109.9	110.2	110.5
Canada	1.026	1.035	1.065	1.107	1.094	1.088	1.090	1.072	1.050	1.028	1.051	1.091
USA	0.648	0.644	0.663	0.682	0.679	0.675	0.682	0.676	0.663	0.659	0.686	0.736
Domestic heating oil (per litre)												
France	0.690	0.683	0.726	0.784	0.784	0.757	0.745	0.721	0.686	0.680	0.693	0.720
Germany	0.580	0.566	0.611	0.630	0.632	0.614	0.617	0.587	0.560	0.562	0.570	0.592
Italy	1.151	1.130	1.179	1.205	1.211	1.186	1.180	1.152	1.115	1.122	1.126	1.153
Spain	0.605	0.599	0.641	0.716	0.701	0.674	0.665	0.652	0.606	0.595	0.615	0.628
UK	0.502	0.471	0.510	0.521	0.521	0.498	0.500	0.479	0.455	0.472	0.488	0.510
Japan ⁴	61.667	63.833	71.278	76.333	76.611	76.222	75.833	75.444	74.889	74.444	74.389	74.444
Canada	0.966	0.966	0.966	0.939	0.984	0.966	0.953	0.952	0.930	0.899	0.926	0.962
USA	0.604	0.596	0.632	0.656	0.654	0.647	0.644	0.628	0.603	0.585	0.606	..
Low sulphur fuel oil for industry⁵ (per kg)												
France	0.398	0.384	0.430	0.483	0.476	0.453	0.457	0.444	0.431	0.424	0.427	0.437
Germany	0.290	0.258	0.326	..	..	..	..	..	..	..	..	..
Italy	0.357	0.344	0.383	0.411	0.404	0.381	0.391	0.378	0.358	0.352	0.352	0.363
Spain	0.322	0.333	0.345	0.396	0.390	0.375	0.367	0.361	0.354	0.340	0.344	0.338
UK	..	..	..	..	..	..	..	..	..	..	..	..
Japan	53.028	54.540	58.860	62.424	63.180	64.152	63.828	63.180	62.100	61.884	62.100	..
Canada	..	..	..	..	..	..	..	..	..	..	..	..
USA ⁶	0.350	0.348	0.387	0.411	0.406	0.390	0.378	0.381	0.376	0.381	..	..

1. Euros for France, Germany, Italy and Spain; pounds for UK; yen for Japan; Canadian dollars for Canada; US dollars for USA.

2. Unleaded premium (95 RON) for France, Germany, Italy, Spain, UK; regular unleaded for Canada, Japan and the United States.

3. Automotive diesel for non-commercial use.

4. Kerosene for Japan.

5. VAT excluded from prices for France, Italy, Spain and UK as it is refunded to industry.

6. Data for May 2015 onwards have been estimated by IEA based on residual fuel oil prices.

Table 4: IEA average end-use taxes for selected oil products*National currencies¹*

	Oct16	Nov16	Dec16	Jan17	Feb17	Mar17	Apr17	May17	Jun17	Jul17	Aug17	Sep17
Gasoline² (per litre)												
France	0.869	0.868	0.873	0.892	0.895	0.891	0.892	0.888	0.884	0.879	0.882	0.886
Germany	0.867	0.866	0.874	0.877	0.880	0.874	0.878	0.875	0.872	0.870	0.872	0.876
Italy	0.995	0.993	0.998	1.006	1.008	1.006	1.006	1.005	0.999	0.997	0.998	1.002
Spain	0.667	0.665	0.671	0.676	0.678	0.674	0.676	0.672	0.667	0.665	0.667	0.671
UK	0.769	0.771	0.771	0.778	0.780	0.779	0.776	0.774	0.772	0.770	0.773	0.777
Japan	65.5	65.6	65.8	66.0	66.0	66.2	66.2	66.1	66.0	66.0	66.0	66.1
Canada	0.389	0.386	0.389	0.391	0.389	0.389	0.393	0.391	0.389	0.389	0.391	0.393
USA ³	0.119	0.119	0.119	0.121	0.121	0.121	0.121	0.121	0.121	0.122	0.122	0.122
Diesel⁴ (per litre)												
France	0.703	0.702	0.709	0.750	0.758	0.755	0.754	0.750	0.745	0.742	0.747	0.749
Germany	0.651	0.650	0.659	0.662	0.661	0.658	0.658	0.654	0.650	0.650	0.652	0.656
Italy	0.856	0.856	0.861	0.869	0.870	0.869	0.869	0.867	0.862	0.858	0.861	0.864
Spain	0.552	0.550	0.558	0.563	0.563	0.560	0.560	0.556	0.551	0.549	0.553	0.555
UK	0.774	0.777	0.777	0.782	0.785	0.784	0.781	0.778	0.776	0.773	0.776	0.780
Japan	39.9	40.0	40.2	40.4	40.4	40.5	40.5	40.5	40.4	40.4	40.4	40.4
Canada	0.301	0.301	0.303	0.305	0.304	0.304	0.304	0.303	0.302	0.301	0.302	0.304
USA ³	0.137	0.137	0.137	0.138	0.138	0.138	0.138	0.138	0.138	0.140	0.140	0.140
Domestic heating oil (per litre)												
France	0.211	0.210	0.217	0.245	0.250	0.245	0.243	0.239	0.233	0.232	0.234	0.239
Germany	0.154	0.152	0.159	0.162	0.162	0.159	0.160	0.155	0.151	0.151	0.152	0.156
Italy	0.611	0.607	0.616	0.620	0.622	0.617	0.616	0.611	0.604	0.606	0.606	0.611
Spain	0.194	0.193	0.200	0.213	0.211	0.206	0.205	0.203	0.195	0.192	0.196	0.198
UK	0.135	0.134	0.136	0.136	0.136	0.135	0.135	0.134	0.133	0.134	0.135	0.136
Japan ⁵	7.108	7.268	7.820	8.194	8.215	8.186	8.157	8.128	8.087	8.054	8.050	8.054
Canada	0.107	0.107	0.107	0.106	0.108	0.107	0.106	0.106	0.105	0.104	0.105	0.107
USA	..	..	..	..	..	..	..	..	..	..	..	..
Low sulphur fuel oil for industry⁶ (per kg)												
France	0.069	0.069	0.069	0.090	0.095	0.095	0.095	0.095	0.095	0.095	0.095	0.095
Germany	0.025	0.025	0.025	..	..	..	..	..	..	..	..	..
Italy	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
Spain	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.016	0.017	0.017
UK	..	..	..	..	..	..	..	..	..	..	..	..
Japan	3.928	4.040	4.360	4.624	4.680	4.752	4.728	4.680	4.600	4.584	4.600	..
Canada	..	..	..	..	..	..	..	..	..	..	..	..
USA	..	..	..	..	..	..	..	..	..	..	..	..

1. Euros for France, Germany, Italy and Spain; pounds for UK; yen for Japan; Canadian dollars for Canada; US dollars for USA.

2. Unleaded premium (95 RON) for France, Germany, Italy, Spain, UK; regular unleaded for Canada, Japan and the United States.

3. Includes federal and state tax only

4. Automotive diesel for non-commercial use.

5. Kerosene for Japan.

6. VAT excluded from prices for France, Italy, Spain and UK as it is refunded to industry.

Overall responsibility

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