



Report on Iranian Petroleum and Petroleum Products Exports

A report required by section 4 of the Stop
Harboring Iranian Petroleum (SHIP) Act

June 2025

The U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy (DOE), prepared this report. By law, our data, analyses, and forecasts are independent of approval by any other officer or employee of the U.S. Government. The views in this report do not represent those of DOE or any other federal agencies.

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Summary

The U.S. Energy Information Administration (EIA) prepared this report to fulfil Section 4 of the Stop Harboring Iranian Petroleum Act, or the SHIP Act, enacted on April 24, 2024 (see [Appendix A](#)). The act requires that no later than 120 days from the enactment date, and annually thereafter, the Administrator of EIA submit a report describing “Iran’s growing exports of petroleum and petroleum products” to the appropriate congressional committees. The act details 11 elements to be included in the report, including information on Iran’s export and sale of petroleum and petroleum products, Iran’s labeling practices of exported petroleum and petroleum products, and companies, ships, and ports involved in the export and sale of Iran’s petroleum and petroleum products.

EIA will provide annual supplements to this report every year until termination of the SHIP Act. The unclassified portions of the report are posted on our [website](#). EIA is also required to submit a classified report no later than 120 days from the enactment date and each year thereafter. The classified annex transmitted separately from this report addresses classified data and was developed in consultation with the intelligence community.

The initial report was published in October 2024. This is the 2025 annual supplement.

This report and information contained in it come with significant caveats. EIA does not have the legislative authority to collect the data requested by the SHIP Act. As a result, most of the data and information included in the report come from third-party sources. The report references commercial data sources in whose estimates we have confidence. When available, we include multiple sources for a data element to provide a range of estimates.

Because of limited availability and transparency of information on Iranian oil exports, nearly all petroleum and petroleum product data presented in this report are estimates rather than actual data. For example, petroleum products are generally shipped on smaller vessels, which can avoid detection more easily than crude oil cargoes transported in large vessels. Iran also uses techniques designed to obfuscate the origin and destination of vessels, creating further uncertainty. For example, vessel operators may turn off ship identification signals, perform illicit ship-to-ship transfers, or relabel crude oil and product cargoes as originating from countries other than Iran. Further, the requested data are typically provided as annual or monthly data series, which are frequently available at a lag.

Although oil price data are widely available for many countries on a real-time or near-real-time basis, pricing data on sales of Iranian crude oil are opaque, requiring that we estimate revenues based on reasonable assumptions and using proxy values.

This report presents data, where available, in the order in which it was requested as part of the SHIP Act beginning in 2018, as outlined in the request, and covering a period up to the most recently available annual data at the time of publication.

Data Request

1. An analysis of Iran's exports and sale of petroleum and petroleum products

All the data and analysis provided regarding Iranian exports and revenues are estimated because of limited data on and visibility into the trade and sales of Iranian volumes of petroleum and petroleum products. Where available, we have highlighted any assumptions and calculations underlying our estimates, as well as the data sources used. In cases where the data or information are simply not available for EIA to estimate, we have stated our inability to provide the information requested.

a. An estimate of Iran's petroleum export and sale revenue per year since 2018

EIA no longer has access to petroleum products data, so our estimate of export revenues includes only crude oil and condensate exports. The estimated revenues are thus lower than the revenue estimates published in our 2024 report¹, which also included natural gas plant liquids and other liquids. In this year's report, to estimate revenues, export volumes of Iran's different crude streams are multiplied by their respective prices and then summed. Individual crude oil and condensate export volumes are sourced from Energy Intelligence² through 2023. The revenues do not include discounts. Details on the methodology change can be found in Appendix G.

Table 1. Revenue from Iran's crude oil and condensate exports and sales

nominal billion dollars							
Data source	2018	2019	2020	2021	2022	2023	2024
EIA Estimate ^{a,b}	\$51	\$11	\$5	\$19	\$38	\$42	\$43

^a The prices we used to estimate revenues are from OPEC's Annual and Monthly Statistical Bulletins and Argus Media, which do not include discounts.

^b We assume only crude oil prices and total oil volumes in calculating estimated revenues.

b. An estimate of Iran's petroleum export and sale revenue to China per year since 2018

We do not have information on prices Iran charged to Chinese crude oil purchasers, which media reports suggest are mostly small independent refineries.³

c. The amount of petroleum and crude oil barrels exported per year since 2018

We do not have reliable data on the annual volume of Iran's exports of petroleum products to China since 2018. Estimated volumes of crude oil and condensate exports are in Table 2.

Table 2. Crude oil and condensate exports from Iran, 2018–2024

thousand barrels per day							
Data source	2018	2019	2020	2021	2022	2023	2024
Vortexa Estimate	2,014	704	370	846	992	1,327	1,483

Source: [Vortexa Analytics tanker tracker](#) (accessed March 2025).

¹ U.S. Energy Information Administration, [Report on Iranian Petroleum and Petroleum Product Exports \(October 2024\)](#)

² Energy Intelligence, [World Crude Oil Data](#)

³ <https://www.reuters.com/markets/commodities/iran-oil-prices-china-multi-year-high-after-exports-fall-sources-say-2024-11-05/>

d. The amount of petroleum and crude oil barrels exported to China per year since 2018

We do not have data on the total petroleum product export volumes from Iran to China.

Data and estimates on crude oil barrels (including condensate) exported from Iran to China are provided by Vortexa Analytics.

The data show the destination of export volumes. Most of these export volumes have destinations listed as China, but in some cases the destinations are listed as unknown. For data from 2020 onwards, once U.S. sanctions on Iran's oil exports were fully reapplied, we assess export volumes to unknown destinations and to countries in Southeast Asia (specifically Malaysia, Singapore, and Vietnam) were in fact destined for China.⁴

Table 3. Crude oil and condensate exports from Iran to China, 2018–2024

thousand barrels per day							
Data source	2018	2019	2020	2021	2022	2023	2024
Vortexa Estimate	597	303	311	706	834	1189	1,444

Source: [Vortexa Analytics tanker tracker](#) (accessed March 2025).

e. The amount of petroleum and crude oil barrels exported to countries other than China per year since 2018

We do not have reliable data on the annual volume of Iran's exports of petroleum product to countries other than China.

For crude oil and condensate volumes exported to countries other than China, our values are based on the estimates provided in Sections 1(c) and 1(d) of this report (Table 4). The same assumptions and caveats noted above apply for these estimates. These estimates are simply the difference between the volumes provided in Section 1(c) and 1(d).

Vortexa Analytics confirmed that the volumes to countries other than China listed in Table 4 include shipments to Syria, the United Arab Emirates, Oman, and Venezuela.

Table 4. Crude oil and condensate exports from Iran to destinations outside of China, 2018–2024

thousand barrels per day							
Data source	2018	2019	2020	2021	2022	2023	2024
Vortexa Estimate	1,417	401	59	140	158	138	40

Source: [Vortexa Analytics tanker tracker](#) (accessed March 2025).

f. The average price per petroleum and crude oil barrel exported per year since 2018

We do not have reliable data on the average price per barrel of crude oil, condensates, and petroleum products exported from Iran that importers of Iranian cargoes have paid for those volumes. However, trade press, including [Reuters](#) and [Middle East Economic Survey](#), have on occasion reported information on Iranian oil discounts, including the \$13 discount from Brent crude oil for Iranian Light and \$20 discount for Iranian Heavy reported in September 2023. Additional uncertainty regarding how much Iran

⁴ In November 2018, the United States officially reimposed all sanctions that were lifted under the 2015 Joint Comprehensive Plan of Action. After a six-month waiver expired in May 2019, Iran was subject to complete sanctions on oil exports. Vortexa Analytics confirmed volumes exported during 2020 destined for Malaysia, Singapore, and Vietnam were likely sent to China.

receives for the cargoes stems from the barter and swap agreements that Iran has in place with some of its trading partners.^{5, 6}

g. The average price per petroleum and crude oil barrel exported to China per year since 2018

We do not have data on the average price per barrel of crude oil, condensates, and petroleum products exported to China.

2. Iran's labeling practices of exported petroleum and petroleum products

We do not have any source for this information.

3. A description of companies involved in the exporting and sale of Iranian petroleum and petroleum products

We do not have any source for this information.

4. A description of ships involved in the exporting and sale of Iranian petroleum and petroleum products

Ships associated with crude oil exports are listed in [Appendix B](#), and those associated with petroleum product exports are in [Appendix C](#). These lists may be incomplete because of attempts by vessel operators that carry Iranian oil to obfuscate their activities.⁷

The vessel types listed in [Appendix B](#) and [Appendix C](#) are defined in [Appendix F](#).

5. A description of ports involved in the exporting and sale of Iranian petroleum and petroleum products

Similar to the previous data request item (item 4), we list a destination port for every shipment in the dataset associated with crude oil exports ([Appendix D](#)) and petroleum product exports ([Appendix E](#)). These data do not include any port or description for those shipments sent to unknown destinations (which we assume were destined for China). As above, the data may not include a complete list of ports involved in the trade of Iranian crude oil and petroleum products.

⁵ <https://www.reuters.com/markets/commodities/venezuela-rushes-mend-iran-relationship-us-sanctions-loom-2024-03-12>

⁶ <https://www.reuters.com/article/world/syria-ratifies-fresh-1-billion-credit-line-from-iran-idUSKCN0PI1RD/>

⁷ <https://www.reuters.com/graphics/IRAN-OIL/zjpqngedmvx/>

Appendix A. SHIP Act Section 4

SEC. 4. REPORT ON IRANIAN PETROLEUM AND PETROLEUM PRODUCTS EXPORTS.

(a) In General.—Not later than 120 days after the date of enactment of this Act, and annually thereafter until the date described in subsection (d), the Administrator of the Energy Information Administration shall submit to the appropriate congressional committees a report describing Iran’s growing exports of petroleum and petroleum products, that includes the following:

- (1) An analysis of Iran’s exports and sale of petroleum and petroleum products, including—
 - (A) an estimate of Iran’s petroleum export and sale revenue per year since 2018;
 - (B) an estimate of Iran’s petroleum export and sale revenue to China per year since 2018;
 - (C) the amount of petroleum and crude oil barrels exported per year since 2018;
 - (D) the amount of petroleum and crude oil barrels exported to China per year since 2018;
 - (E) the amount of petroleum and crude oil barrels exported to countries other than China per year since 2018;
 - (F) the average price per petroleum and crude oil barrel exported per year since 2018; and
 - (G) the average price per petroleum and crude oil barrel exported to China per year since 2018.
- (2) An analysis of Iran’s labeling practices of exported petroleum and petroleum products.
- (3) A description of companies involved in the exporting and sale of Iranian petroleum and petroleum products.
- (4) A description of ships involved in the exporting and sale of Iranian petroleum and petroleum products.
- (5) A description of ports involved in the exporting and sale of Iranian petroleum and petroleum products.

(b) Form.—The report required by subsection (a) shall be submitted in unclassified form but may include a classified annex.

(c) Publication.—The unclassified portion of the report required by subsection (a) shall be posted on a publicly available website of the Energy Information Administration.

(d) Termination.—The requirement to submit reports under this section shall be terminated on the date on which the President makes the certification described in section 3(f).

Appendix B. Ships Involved in the Exporting and Sale of Iranian Crude Oil

Third-party data are as of March 2025 and will be revised, as necessary, at the next annual release of the SHIP Act report.

The time period for ships involved in exporting Iranian crude oil and condensates covers 2020 through 2024 because sanctions on Iran's sale of oil did not fully come into effect until May 2019. The first full year of these oil sanctions began in 2020.⁸

The vessel types listed in this appendix are defined in Appendix F.

Table B1. Ships involved in the exporting and sale of Iranian crude oil and condensates from 2020-2024

Company	Ship name	IMO Number	Vessel type	Years of Departure
Naftiran Intertrade Company Limited	ANITA	9503586	Aframax	2022
	DERYA	9569700	VLCC	2022
	HERBY	9362059	VLCC	2022
	HERO2	9362073	VLCC	2023
	HUGE	9357183	VLCC	2020, 2021
	SEA STAR III	9569205	VLCC	2023
	SERENA	9569645	VLCC	2022
	SILVIA I	9172052	Suezmax	2022
	SOLDIER	9590008	VLCC	2021
	SONIA1	9357365	Suezmax	2022
	Unknown	AL SALAM	9224568	MR2
ALA		9198094	Aframax	2021
ALANA		9172583	Suezmax	2021,2022
ALBA		9268112	Aframax	2023
ALISA		9147447	LR2	2023
ALTER EGO		9331244	VLCC+	2022
AMAK		9244635	VLCC+	2020,2021,2022,2023,2024
AMBER		9357406	VLCC+	2021,2022,2023
AMELL		9257993	Aframax	2022,2023,2024
AMOR		9182291	VLCC+	2021,2022,2023,2024
ANABEL		9246279	VLCC+	2020,2021,2022,2023,2024
ANASTASIA I		9200964	Aframax	2020,2021

⁸ In our previous report, this table included data for the years 2021-2023. In the current report, we expanded the period covered to capture the first full year of sanctions (2020) as well as the latest full year of data (2024). Therefore, more ships appear in this table than in our previous report.

Company	Ship name	IMO Number	Vessel type	Years of Departure
	ANDROMEDA V	9197832	VLCC+	2023,2024
	ANITA	9203253	VLCC+	2020,2021,2022,2023
	ANNA	9233208	Aframax	2021,2023,2024
	APAMA	9187631	Aframax	2024
	ARES	9174397	VLCC+	2023,2024
	ARES	9192258	Aframax	2021
	ARGO 1	9187667	Aframax	2021
	ARINA	9248813	LR3	2022
	ARK III	9187655	Aframax	2020,2021,2022
	ARMAN 114	9116412	VLCC+	2021,2022,2023
	ARNICA	9187643	Aframax	2020,2021,2022
	ARTAVIL	9187629	Aframax	2024
	ARTEMIS III	9102241	VLCC+	2023, 2024
	ATILA	9233753	VLCC+	2020,2021,2022,2024
	ATILA	9262754	VLCC+	2023,2024
	ATLANTIS II	9257503	Panamax	2021,2022
	ATLANTIS MZ	9218181	Panamax	2022,2023
	AURORA RILEY	9181649	VLCC+	2024
	AVENTINE	9123192	Aframax	2020
	AYDEN	9365764	VLCC+	2023,2024
	BELLA 1	9230880	VLCC+	2021,2022,2023,2024
	BELMA	9289491	VLCC+	2022,2023,2024
	BERG 1	9262168	VLCC+	2021,2022,2024
	BERTHA	9292163	VLCC+	2023,2024
	BESTLA	9295593	VLCC+	2023,2024
	BIANCA JOYSEL	9196632	VLCC+	2024
	BIG MAG	9263215	VLCC+	2024
	BLUE GULF	9328716	VLCC+	2023,2024
	BLUE NIL	9288265	LR1	2023
	BODHI	9144782	Aframax	2021
	BRAD	9166417	Aframax	2021
	BREEZE V	9259355	VLCC+	2022
	CARINA	9240512	VLCC+	2022,2023
	CARINA I	9410234	VLCC+	2022,2023
	COBA	9235737	VLCC+	2024
	CONFIDENCE P	9178044	MR2	2020
	CORA	9297319	VLCC+	2023,2024
	CRYSTAL ROSE	9292228	VLCC+	2023
	CUMA	9379703	VLCC+	2023,2024
	DABAN	9294331	VLCC+	2024
	DAHAB	9233222	Suezmax	2021,2022,2023,2024
	DAN	9357729	VLCC+	2020,2021,2022,2023,2024

Company	Ship name	IMO Number	Vessel type	Years of Departure
	DANIEL	9569683	VLCC+	2021,2022,2024
	DARAN	9080493	MR2	2021,2022,2023
	DEEP SEA	9218492	VLCC+	2021,2023,2024
	DERYA	9569700	VLCC+	2021,2022,2023,2024
	DEVON	9218454	VLCC+	2023,2024
	DIAMOND II	9218478	VLCC+	2020,2021,2022,2023,2024
	DINO I	9569671	VLCC+	2021,2022,2023,2024
	DIONA	9569695	VLCC+	2020,2021,2022,2023,2024
	DIVIT	9194139	Aframax	2021,2022,2023
	DORE	9357717	VLCC+	2020,2022,2023,2024
	DORENA	9569669	VLCC+	2020,2021,2022,2023,2024
	DOVER	9218466	VLCC+	2023,2024
	DOWNY	9218480	VLCC+	2024
	DREAM 2	9356593	VLCC+	2020,2023,2024
	DUNE	9569712	VLCC+	2022,2023,2024
	DURRA	9203784	Suezmax	2020,2021,2022,2023,2024
	EGRET	9283801	VLCC+	2024
	ELINE	9292486	VLCC+	2022,2023
	ELIZA II	9418078	VLCC+	2024
	ELIZABET	9216717	VLCC+	2023,2024
	ELOISE	9233234	Aframax	2021
	ELVA	9196644	VLCC+	2020,2021,2022,2023,2024
	ENZO	9183300	Aframax	2021,2022,2023
	ERVINA	9247986	Aframax	2021
	ESCAPADE	9181534	Aframax	2020
	ETERNAL FORTUNE	9230907	VLCC+	2023,2024
	ETERNITY	9198317	VLCC+	2024
	EVELYN	9189110	Panamax	2022
	FELICITY	9183934	VLCC+	2021,2022,2023
	FELIX	9181194	VLCC+	2020,2021,2022,2023,2024
	FIONA	9365752	VLCC+	2022,2023,2024
	FIONA II	9262766	VLCC+	2021,2023,2024
	FIRENZE K	9245782	VLCC+	2024
	FORTUNE	9283746	MR1	2023
	FSO TULJA KALYANI	9206035	VLCC+	2021,2022
	FT ISLAND	9166675	VLCC+	2022,2024
	FURIA	9257802	Aframax	2021
	GAGAN	9256468	Aframax	2022,2023
	GLISTAR	9249324	Suezmax	2022,2023,2024
	GLOBAL HARVEST	9290775	VLCC+	2022,2023,2024
	HAI HUN	9251951	VLCC+	2022
	HALO 6	9232448	LR2	2024

Company	Ship name	IMO Number	Vessel type	Years of Departure
	HALTI	9212890	VLCC+	2020,2022,2023
	HAPPINESS I	9212905	VLCC+	2023,2024
	HASNA	9212917	VLCC+	2023,2024
	HAWK	9246645	VLCC+	2021
	HAWK	9362061	VLCC+	2020,2021,2022,2023,2024
	HELM	9357391	VLCC+	2021,2022,2023,2024
	HENNA	9212929	VLCC+	2023,2024
	HERA	9326720	LR3	2022
	HERBY	9362059	VLCC+	2021,2023,2024
	HERO2	9362073	VLCC+	2020,2021,2022,2024
	HILDA 1	9357389	VLCC+	2020,2022,2023,2024
	HONG LU	9208215	VLCC+	2023,2024
	HORNET	9197844	VLCC+	2021,2022
	HUGE	9357183	VLCC+	2022,2023,2024
	HUMANITY	9180281	VLCC+	2024
	INDA	9256858	Aframax	2021,2022
	INGRID	9201592	Aframax	2021
	INTERSTELLAR	9277797	LR1	2023
	IONA	9183271	Suezmax	2021
	ISHTAR	9180164	VLCC+	2021,2022,2023
	ITAUGUA	9102277	VLCC+	2023,2024
	IVY	9337133	VLCC+	2021,2022,2023,2024
	IZOLA	9249312	Suezmax	2020
	JAKA TARUB	9176761	LR1	2021
	JAMES II	9174660	Suezmax	2022,2023,2024
	JASMINE	9105085	MR2	2020,2023
	JAYA	9410387	VLCC+	2022,2023
	JELA	9371608	VLCC+	2024
	JETTA	9150365	Suezmax	2023
	JULIA	9167148	MR1	2021,2022
	KARIZ	9364112	Suezmax	2022,2024
	KIN A	9176993	VLCC+	2020
	KING PLUS	9242118	Aframax	2023
	KIRIN STAR	9294290	VLCC+	2023,2024
	KLSM DEEP	9241114	VLCC+	2021,2022,2023
	KOALA	9234642	Suezmax	2022
	KOEN	9199127	LR2	2024
	KONGM	9256975	VLCC+	2024
	KYLO	9189146	Suezmax	2020,2021,2022,2023
	LALIQUE	9247792	Aframax	2023
	LAN JING	9288095	VLCC+	2023,2024
	LAURYN	9259599	Aframax	2024

Company	Ship name	IMO Number	Vessel type	Years of Departure
	LENORE	9259367	VLCC+	2022,2023,2024
	LEONID	9198771	LR1	2021,2022,2023,2024
	LEXIE	9203277	VLCC+	2020,2021,2022,2023
	LIA	9041057	Suezmax	2023,2024
	LILY	9222443	VLCC+	2022,2023,2024
	LIMAS	9254082	VLCC+	2023,2024
	LUNA	9238052	Aframax	2024
	LUNA PRIME	9174220	VLCC+	2023,2024
	LYDIA II	9365776	VLCC+	2023,2024
	LYDYA N	9153525	VLCC+	2020
	M SOPHIA	9289477	VLCC+	2023
	M.T HEDY	9212888	VLCC+	2022,2023,2024
	MADESTAR	9289726	VLCC+	2024
	MASAL	9169421	Suezmax	2020,2021
	MEHLE	9191711	Suezmax	2023
	MENG XIN	9271406	Aframax	2022,2023,2024
	MIA	9018464	Suezmax	2022,2023,2024
	MOLECULE	9209300	Panamax	2022,2023
	MONTROSE	9281695	VLCC+	2023
	MR NAUTILUS	9150767	MR2	2021
	NAROON	9079066	VLCC+	2023
	NASHA	9079107	VLCC+	2023
	NAVARZ	9079078	VLCC+	2021,2023
	NESS	9180152	VLCC+	2023
	NICHOLA	9224271	Suezmax	2023,2024
	NIERUS	9234666	VLCC+	2021,2022,2023,2024
	NIOVI	9292498	VLCC+	2020
	NOBLE	9162928	MR2	2021,2023
	NOLAN	9155808	Suezmax	2020,2021,2023
	NORA	9237539	VLCC+	2021,2022,2023,2024
	NYANTARA	9242120	Aframax	2020
	OCEAN KOI	9255933	LR1	2021
	OCTANS	9224295	VLCC+	2023,2024
	OLYM	9212759	Suezmax	2022
	OTARIA	9192260	Aframax	2021,2023,2024
	OXIS	9224805	VLCC+	2021,2022,2023,2024
	PABLO	9133587	Aframax	2022
	PHOENIX I	9236248	Aframax	2021,2023,2024
	PIONEER SAM	9232620	Panamax	2023
	PROGRESS V	9316701	VLCC+	2022,2023,2024
	PRS OCEAN	9276561	Aframax	2024
	QUINN	9220952	VLCC+	2024

Company	Ship name	IMO Number	Vessel type	Years of Departure
	RADA	9213301	Aframax	2021,2023
	REBI	9248473	VLCC+	2020,2021
	RENE	9250622	VLCC+	2020
	RESTON	9265744	Aframax	2020
	REX 1	9219056	Suezmax	2023,2024
	RHEA	9237228	Aframax	2021,2022,2023,2024
	RIALTO	9160530	MR2	2023
	RIMA	9150377	Suezmax	2021,2022,2023
	RIQUEZA	9233650	VLCC+	2023,2024
	ROMINA	9114608	Suezmax	2020,2021,2022,2023,2024
	SALINA	9357377	Suezmax	2020,2021,2022,2023,2024
	SAM121	9173745	Suezmax	2020,2021,2022,2023,2024
	SAMSUN	9436006	Aframax	2022
	SANAN	9171462	Suezmax	2021,2023,2024
	SANAR	9185530	Suezmax	2022,2023
	SAPPHIRE	9294240	VLCC+	2024
	SARAK	9226968	Suezmax	2020,2021,2022,2023,2024
	SCORPIUS	9264893	VLCC+	2023,2024
	SEA CLIFF	9569657	VLCC+	2021,2022,2024
	SEA GLAMOUR	9208057	Suezmax	2020
	SEA HONOR	9315654	Suezmax	2023
	SEA STAR III	9569205	VLCC+	2020,2022,2023,2024
	SEA WISE	9224570	MR2	2023
	SERENA	9569645	VLCC+	2021,2022,2023,2024
	SEVDA	9172040	Suezmax	2020,2021,2022,2024
	SEVIN	9357353	Suezmax	2020,2021,2022,2023,2024
	SHANNON II	9237797	VLCC+	2023,2024
	SHAURYAII	9257010	Aframax	2022
	SILVIA 1	9172052	Suezmax	2020,2021,2023,2024
	SINOPA	9172038	Suezmax	2020,2021,2022,2023,2024
	SIRI	9281683	VLCC+	2023
	SIRVAN SABOU	9105906	Aframax	2020,2021,2022,2023
	SKIPPER	9304667	VLCC+	2024
	SNOW	9569619	VLCC+	2020,2021,2022,2023,2024
	SOBAR	9221970	Suezmax	2021,2022,2023,2024
	SOLDIER	9590008	VLCC+	2020
	SONIA1	9357365	Suezmax	2020,2021,2022,2023,2024
	SPIRIT	9252371	Aframax	2023
	STAR FOREST	9237632	VLCC+	2022,2023,2024
	STAR LINE	9237618	Aframax	2024
	STAR RAIL	9277761	LR1	2023
	STARK1	9171450	Suezmax	2020,2021,2022,2023,2024

Company	Ship name	IMO Number	Vessel type	Years of Departure
	STARLA	9569621	VLCC+	2021,2022,2023,2024
	STELLAR ORACLE	9194127	VLCC+	2023,2024
	STREAM	9569633	VLCC+	2020,2021,2022,2023,2024
	TELESTO	9213296	Aframax	2021,2022
	TESLA	9246138	LR2	2020,2022
	TIFANI	9273337	VLCC+	2020,2021,2022,2023,2024
	TIGER	9165542	Aframax	2020,2022
	TINA 5	9237761	VLCC+	2023
	TITAN	9293143	Suezmax	2024
	TITAN	9293741	VLCC+	2021,2022,2023
	TIYARA	9231224	Aframax	2021,2022,2023,2024
	TONIL	9307932	LR1	2023,2024
	TREND	9231509	Suezmax	2023
	TURACO	9247780	Aframax	2023
	UMA	9258870	Aframax	2021,2024
	URANUS	9248485	VLCC+	2021
	URANUS	9307633	VLCC+	2023,2024
	URGANE I	9231901	Aframax	2021
	URI	9248497	VLCC+	2021,2022,2023,2024
	VANI	9264881	VLCC+	2022,2023,2024
	VENTURA	9199828	Aframax	2021
	VENTURA	9216559	LR1	2024
	VERA	9304655	VLCC+	2022,2023,2024
	VERGIOS	9187435	Aframax	2021,2023
	VERONICA	9256860	Aframax	2021,2023
	VETER	9233739	VLCC+	2022
	VIGOR	9262156	VLCC+	2021,2022,2023,2024
	VIOLA	9254915	Aframax	2020,2021
	VIRGO	9236250	VLCC+	2020,2021,2022,2023,2024
	VIZURI	9197909	VLCC+	2021,2022,2024
	VORAS	9203265	VLCC+	2021,2022,2023,2024
	XIN HAN YANG	9389784	VLCC+	2020
	YUG	9288875	VLCC+	2023,2024
	ZENITH	9157765	Aframax	2021,2022

Data source: Vortexa Analytics tanker tracker (accessed March 2025)

Notes: Table reflects cargos that departed after sanctions were fully in effect in 2020. In a few cases, vessels with the same name have multiple IMO numbers. Vessel types are defined in Appendix F.

Appendix C. Ships Involved in the Exporting and Sale of Iranian Petroleum and Petroleum Products

Third-party data are as of March 2025 and will be revised, as necessary, at the next annual release of the SHIP Act report.

While we do not have reliable information on the annual volume of Iran's exports of petroleum products to China since 2018, we included in this table ships associated with trade of products, although this list is likely incomplete.

The time period for ships involved in exporting Iranian petroleum products covers 2020 through 2024 because sanctions on Iran's sale of oil did not fully come into effect until May 2019. The first full year of these oil sanctions began in 2020.⁹

The vessel types listed in this appendix are defined in Appendix F.

Table C1. Ships involved in the exporting and sale of Iranian petroleum and petroleum products from 2020-2024

Company	Ship name	IMO Number	Vessel type	Years of Departure
Unknown				
	A A P	9494929	Coastal	2024
	AB VICTORY	9287871	Coastal	2021
	AEGEAN II	9016911	Coastal	2020
	AFRA ROSSI	9431381	Aframax	2022
	AIRA	8818219	VLGC	2020,2021,2022,2023,2024
	AKOYA GAS	9142150	MGC	2022,2023,2024
	AL DIAB II	9053816	Coasters	2021,2022,2023,2024
	AL JABER X	9259006	Coastal	2023
	AL SAFA	9222649	MR2	2024
	AL SALAM	9224568	MR2	2020
	ALA	9198094	Aframax	2023,2024
	ALAA	9155341	Handysize (LPG)	2023
	ALBA	9268112	Aframax	2022,2023
	ALBATROSS 1	9359387	MR2	2020
	ALBEDO	9213313	Aframax	2023
	ALISA	9147447	LR2	2024
	AMAK	9244635	VLCC+	2021
	AMELL	9257993	Aframax	2023,2024
	AMIL	9308778	MR2	2024
	ANASTASIA I	9200964	Aframax	2020,2021
	ANJANEYA	9578323	Coastal	2021,2023

⁹ In our previous report, this table included data for the years 2021-2023. In the current report, we have expanded the period covered to capture the first full year of sanctions (2020) as well as the latest full year of data (2024). Therefore, more ships appear in this table than in our previous report.

Company	Ship name	IMO Number	Vessel type	Years of Departure
	ANNA	9233208	Aframax	2022
	ANNECY	9200859	Coastal	2020,2022
	APOLLO	9321964	Aframax	2024
	APOLLO OCEAN	9423322	VLGC	2022,2023
	AQUARIS	9251822	Aframax	2023,2024
	ARISTOS	9241073	MR2	2021
	AS CALCUTTA	9037123	MR1	2020
	ASIA UNITY	9622069	MR1	2020
	ASPHALT ALLIANCE	8864189	Coastal	2020
	ASPHALT HONOR	9288382	MR2	2024
	ASPHALT PRINCESS	7382988	Coastal	2020,2021
	ASPIRE 1	9342932	Coastal	2020,2021
	ASTRA	9350422	VLGC	2022,2023,2024
	ATHE NOVA	9188116	Coastal	2022
	ATLANTIS I	9229362	Aframax	2021,2022,2023,2024
	ATLANTIS II	9257503	Panamax	2020,2021,2022,2023,2024
	ATLANTIS MZ	9218181	Panamax	2021,2022
	AURA	9274563	VLGC	2021,2022,2023,2024
	AVIOR	9294795	Intermediate	2020,2021
	BALU	9235244	VLCC+	2024
	BERING	9149225	MR2	2020
	BERNICE	9220926	MR2	2020
	BITUMEN KOSEI	9806756	Coastal	2020,2021
	BITUMEN PRINCESS	9133719	Coastal	2020,2021
	BLUE GULF	9328716	VLCC+	2024
	BLUE MARLIN	9215115	MR1	2020,2021
	BLUE NIL	9288265	LR1	2023
	BONETTA	9220914	MR2	2024
	BOURBON	9283722	MR2	2020,2021
	BRAD	9166417	Aframax	2020,2021,2022,2023
	BRAVA LAKE	9232876	Aframax	2021,2022,2023
	BRIGHT GOLD	9171503	MR2	2020,2024
	CALLISTO	9252436	MR2	2024
	CAMELIA	9070072	Coasters	2020,2021,2022,2023
	CAPTAIN NIKOLAS	9008108	VLGC	2022,2023,2024
	CAROLINE	9262091	MR2	2020,2021
	CELIA	9032264	Coasters	2020,2021
	CELINE	9305609	Aframax	2024
	CHAMTANG	9212400	MR1	2020,2021
	CHANDRAMA	9463009	Coastal	2022
	CHELSEA PROVIDENCE	9633501	MR2	2020
	CHENG X	9441219	Coastal	2020,2021

Company	Ship name	IMO Number	Vessel type	Years of Departure
	CHINTAMANI	9242481	MR1	2024
	CINDY	9270517	Aframax	2022,2023
	CLEAN SANCTUARY	9430260	MR2	2024
	CLIPPER	9102198	MGC	2022,2023,2024
	CORAL PEARL	9213909	MR2	2021
	COURAGE 7	9553957	Coastal	2023
	CR TETHYS	9133068	MR2	2021
	CRYSTAL	9223722	MR2	2021,2024
	DA LI	9113379	VLGC	2020,2021,2022,2023,2024
	DAKSHA	9259185	Aframax	2024
	DANIEL	9569683	VLCC+	2023
	DANISA	9172739	VLGC	2024
	DANUTA I	9193721	VLGC	2020,2021,2022,2023,2024
	DEHANG	9871000	MR1	2020
	DELICE	9125138	Flexi	2024
	DING HENG 28	9571210	Flexi	2020
	DING HENG 36	9637650	Flexi	2020
	DINO I	9569671	VLCC+	2021
	DIONA	9569695	VLCC+	2024
	DIVIT	9194139	Aframax	2021,2022,2023,2024
	DONGFUSHAN	9185853	Flexi	2021
	DOUBLE IN	8917807	VLGC	2023,2024
	DOVER	9218466	VLCC+	2023
	DOWNY	9218480	VLCC+	2023,2024
	EASTERN HERO	9353905	Intermediate	2024
	ECHO STAR	9134294	VLGC	2020,2021,2022,2023,2024
	ECO ICE	9755646	Handysize (LPG)	2021
	ELIN	9615092	Coasters	2020,2021,2022,2023,2024
	ELISE	9277747	LR1	2022
	ELKE	9012886	VLGC	2020,2021,2022,2023,2024
	ELKOR	9185499	MR2	2020
	ELMO	9256913	MR2	2024
	ELOISE	9233234	Aframax	2023,2024
	EM UNITY	9189952	LR2	2020
	EMERALD SEA	9252072	MR2	2020
	ENZO	9183300	Aframax	2023,2024
	ERICA 10	9572862	Coastal	2021
	ERVINA	9247986	Aframax	2021,2022,2023,2024
	EVE	9020467	Coastal	2020
	EVELYN	9189110	Panamax	2020,2022
	FALCON	9014432	MGC	2023,2024
	FAUSTA	9232450	LR2	2023,2024

Company	Ship name	IMO Number	Vessel type	Years of Departure
	FAXON	9283758	MR1	2020,2021
	FELIX	9464182	Coastal	2020
	FOREST	9283760	MR1	2020,2021
	FORSHUN	9236054	Flexi	2020
	FORTUNE	9283746	MR1	2020,2024
	FORTUNE GAS	9471123	MGC	2023,2024
	FOS MERCURY	9413676	MR2	2021
	FOSHAN	9404572	Coastal	2024
	FOTIS	9306548	VLGC	2022,2023,2024
	FOUR PLUS	9203930	MR2	2020,2021,2024
	FRUNZE	9263643	LR2	2021,2024
	FULDA	9185865	Flexi	2020
	FURIA	9257802	Aframax	2024
	G BAMBOO	9143506	Coasters	2020,2021,2022,2023,2024
	G JADES	9131096	Coasters	2020,2021,2022,2023,2024
	G SPRING	9040118	Coasters	2020,2021,2022,2023,2024
	G YMM	9139696	MGC	2023,2024
	GAGAN	9256468	Aframax	2021,2022,2023
	GALA ROSE	9126015	MR2	2020,2021,2022
	GALL	9827944	MR1	2020
	GALVIN	9387762	VLGC	2023,2024
	GARIN	9081825	MR2	2020,2021
	GAS ATHENA	9267950	Coasters	2020,2021,2022,2023
	GAS CATHAR	9250505	Coasters	2020
	GAS CONCEPT	9386299	VLGC	2023,2024
	GAS DIOR	9379404	VLGC	2022,2023,2024
	GAS ENDURANCE	9240419	VLGC	2021,2022,2023,2024
	GAS GLOBAL	9290270	VLGC	2020,2023,2024
	GAS LAGOON	9386304	VLGC	2023,2024
	GAS LEADER	9114581	VLGC	2020,2021,2022,2023
	GAS MARTA	9307748	VLGC	2021,2022,2023,2024
	GAS MARYAM	9108099	MGC	2021,2022,2023,2024
	GAS SPIRIT I	7411569	VLGC	2020,2022
	GAS STRENGTH	9172636	VLGC	2021,2022,2023,2024
	GAS SUCCESS	9148609	Coasters	2022
	GAS TAKAPO	9240421	VLGC	2020,2024
	GAS VISION	9115303	VLGC	2021,2022,2023,2024
	GAS WANAKA	9364382	VLGC	2024
	GAS ZEINA	8818843	MGC	2020,2021,2022
	GAS ZEUS	9267962	Coasters	2020,2021,2022,2023
	GAZ CRYSTAL	9318618	Handysize (LPG)	2024
	GAZ GMS	9131539	VLGC	2024

Company	Ship name	IMO Number	Vessel type	Years of Departure
	GB VENTURE	9539016	Intermediate	2020
	GENERAL SKOBELEV	9503304	Intermediate	2020,2021
	GLO	9114505	Intermediate	2020
	GLOBAL ACE	9190078	Intermediate	2020
	GLOBAL ANGEL	9311309	Intermediate	2020,2021
	GLOBAL EVEREST	9125724	Intermediate	2020,2021,2024
	GLOBAL KING 1	9394727	Coastal	2020,2021
	GLOBAL LIBERTY	9350288	VLGC	2022,2023,2024
	GLOBAL PEAK	9125712	Intermediate	2021
	GLOBAL VIVIAN	9002908	VLGC	2020,2021,2022,2023,2024
	GNP DRAGON	9140580	Coastal	2020
	GOLDEN EAGLE	9255684	Aframax	2023
	GOLDEN GLORY	9246798	MR2	2021
	GONG DE TIAN	9005065	VLGC	2020,2022,2023,2024
	GREAT SAIL	9177583	Handysize (LPG)	2022,2023,2024
	HAI MA	8519966	VLGC	2020,2021,2022,2023
	HALO 6	9232448	LR2	2022,2023,2024
	HALTI	9212890	VLCC+	2022,2023
	HANSIKA	9326067	VLCC+	2024
	HARBOUR PHOENIX	9110432	Coastal	2021
	HARMONY	9397030	Intermediate	2023
	HARVEST STAR	9140475	Coastal	2020
	HASNA	9212917	VLCC+	2024
	HATHAWAY	9247077	MR2	2021
	HAWK	9362061	VLCC+	2023
	HELM	9357391	VLCC+	2022
	HEMERA	9263954	Coastal	2023,2024
	HENG YUAN	9262584	MR1	2021,2022
	HERITAGE	9088536	VLGC	2020,2021,2022,2023,2024
	HERMES	9515357	Coastal	2021
	HERON	9146572	Coasters	2020
	HH GLORY	9534614	VLGC	2022,2023,2024
	HONG BO 8	9230012	Intermediate	2020
	INDA	9256858	Aframax	2021
	INFINITY	9492945	Intermediate	2020
	INTERSTELLAR	9277797	LR1	2024
	ION	9144067	LR2	2020
	IRIS	9247778	MR2	2024
	J M A	9246487	Coastal	2021
	JAG VIKRAM	9324734	MGC	2021
	JAKA TARUB	9176761	LR1	2021,2022
	JAMES II	9253909	Suezmax	2023

Company	Ship name	IMO Number	Vessel type	Years of Departure
	JAN VICTORIA	9168257	Coastal	2020
	JANE ASPHALT	9459577	Coastal	2020
	JIZAN	9082245	Coastal	2020
	KAISA I	9038763	Coasters	2020,2021,2022,2023,2024
	KANTI	9282106	VLGC	2021,2022,2023,2024
	KG7	9213222	Coastal	2020
	KING PLUS	9242118	Aframax	2021,2022,2023,2024
	KOEN	9199127	LR2	2022,2023,2024
	KURDOS	9236731	MR1	2024
	KUSH	9282522	MR2	2024
	LADY ELISE	9258595	MR2	2024
	LADY LOUISE	9290323	Suezmax	2024
	LADY URSULA	9382700	MR2	2024
	LANIKAI	9240897	MR2	2021
	LARIS	9125231	Intermediate	2020,2021
	LATA 1	9171345	MR2	2024
	LAUREN	9249685	Coasters	2020
	LAVANT	9110444	Coastal	2020
	LENA GAS	8818207	VLGC	2022,2023,2024
	LEONID	9198771	LR1	2021,2024
	LEXIE	9203277	VLCC+	2020
	LIETO	9389679	Aframax	2023
	LIMAS	9254082	VLCC+	2023
	LIONESS	9285744	MR2	2020
	LISBON	9223916	Flexi	2020,2021,2022
	LOANNA	9251884	MR2	2023
	LPG C BRIZO	9238284	VLGC	2021
	LPG FSM	9129380	Coasters	2022,2023
	LR1 CHARM	9307920	LR1	2022
	LUNA	9238052	Aframax	2023,2024
	LYDYA N	9153525	VLCC+	2020
	M.T GREEN BELT	9004621	Coastal	2020
	M.T.MIB1	8806321	Coastal	2020,2021
	M3S X	9405617	Coastal	2020,2021
	MACKEREL	9236755	MR1	2024
	MAHADEV	9571052	Coastal	2023
	MANTA DICLE	9666675	MGC	2020
	MAOMING	9215103	MR2	2024
	MARBEL	9220938	MR2	2022
	MARUTI	9546710	Coastal	2024
	MATISA	9820336	MR2	2020
	MAX STAR	9134165	MGC	2021,2022,2023,2024

Company	Ship name	IMO Number	Vessel type	Years of Departure
	MAYMEI	9133082	MR2	2021
	MEGA PRINCESS	9101467	Coastal	2020,2021,2022
	MENG XIN	9271406	Aframax	2024
	MILE	8910897	VLGC	2024
	MISSONI	9296810	Aframax	2023
	MIURA	8910902	VLGC	2020,2021
	MOLECULE	9209300	Panamax	2020,2022
	MORALITY	9259898	MR2	2024
	MYRI JOY	9215098	MR2	2020,2021
	NAROON	9079066	VLCC+	2023
	NARSIMHAA	9494917	Coastal	2024
	NASHA	9079107	VLCC+	2023
	NAVARINO	8806826	Intermediate	2020
	NAVIS	9260366	Coasters	2020,2021,2022
	NEW FUSION	9277723	LR1	2023
	NEXO	9014456	VLGC	2020,2021,2022,2023,2024
	NIBA	9046784	VLGC	2020,2021,2022,2023,2024
	NIKI	9820312	MR2	2020,2023
	NOBLE	9162928	MR2	2020,2022,2023
	NORTH GIANT	9241085	MR2	2020,2022
	NV AQUAMARINE	9307736	VLGC	2021,2022,2023,2024
	NYMPH THETIS	9232369	Intermediate	2021
	OCEAN GUARDIAN	9267948	MR2	2023
	OCEAN PRIDE	9193733	VLGC	2023,2024
	OCEAN RADIANCE	9194969	VLGC	2020,2021,2022,2023,2024
	OCEAN WAVE	9387152	Coastal	2020,2021,2023
	OCEANIC VENUS	9317298	VLGC	2021
	OLGA	9309239	Flexi	2023,2024
	OLIVIA	9222704	MR2	2024
	OPEC VICTORY	9499486	Flexi	2020
	OTARIA	9192260	Aframax	2020,2021, 2023,2024
	P K A	9169770	Intermediate	2024
	PABLO	9133587	Aframax	2020,2021
	PAMIR	9208239	VLGC	2021,2022,2023,2024
	PARIMAL	9308766	Intermediate	2024
	PAWAN PUTRA	9195494	VLGC	2023
	PETERPAUL	9163269	MR1	2020,2021
	PHOENIX I	9236248	Aframax	2023,2024
	PIONEER SAM	9232620	Panamax	2022,2023,2024
	PK MARIT	9235464	Flexi	2020,2021
	PONTUS	9511179	Coastal	2022
	PRINCESS SOFIA	9240407	Aframax	2023

Company	Ship name	IMO Number	Vessel type	Years of Departure
	PRS OCEAN	9276561	Aframax	2024
	PUSAKA GEMILANG	9553945	Coastal	2020
	PUTUOSHAN	9286542	Flexi	2021
	PVT DOLPHIN	9288277	MR2	2020,2021,2022
	PVT SEALION	9123362	Intermediate	2020
	PYRA	9002491	VLGC	2020,2021,2022,2023,2024
	RAFFLES HARMONY	9607734	LR2	2021
	RAINE	9223540	VLGC	2020,2021,2022,2023,2024
	RAISSA	9149251	MR2	2020,2023,2024
	RAJTILAK	9383340	Coastal	2021,2024
	RANI	9250907	Aframax	2023
	RARITY	9278519	MR2	2021
	RAYYAN GAS	9133109	Handysize (LPG)	2022,2024
	RED SEA II	9189134	Panamax	2020
	REEF	9263382	Flexi	2024
	RESTON	9265744	Aframax	2020
	REVIN	9306665	MR1	2024
	RHEA	9237228	Aframax	2023,2024
	RIALTO	9160530	MR2	2024
	RICK	9182045	MR2	2020
	RISA	9212369	MR2	2020
	RISING SUN	9347102	Flexi	2020
	ROSE 25	9275983	MR2	2020,2024
	ROWAN	9410870	LR2	2020
	RUDRA	9571064	Coastal	2024
	S M A	9273002	Coastal	2021
	SAAGAR	9394466	Intermediate	2020,2021,2024
	SAAVI	9070149	Suezmax	2020
	SALOME I	9135547	MR1	2020,2021
	SALUTE LEGEND	9174622	MR2	2020
	SANAN	9171462	Suezmax	2023
	SARAK	9226968	Suezmax	2021
	SARVESHWAR	9486283	Coastal	2020,2021
	SAVER 3	9108104	Flexi	2020,2021
	SEA HERMES	9031519	VLGC	2020,2021,2022,2023,2024
	SEA OPERA	9000883	VLGC	2020,2021,2022,2023,2024
	SEA PRINCES	8614467	LR2	2020,2021
	SEA PRINCESS	8607634	Coastal	2020
	SEA STAR III	9569205	VLCC+	2022
	SEA TREK	9281566	MR2	2024
	SEA WISE	9224570	MR2	2024
	SEABAS	9251640	MR1	2024

Company	Ship name	IMO Number	Vessel type	Years of Departure
	SEASKY	9237412	Aframax	2024
	SERENITY GAS	9197727	Coasters	2023
	SETA	9162916	MR2	2021,2022
	SEVDA	9172040	Suezmax	2024
	SEVEN TARGET	9471604	Intermediate	2021
	SHAHRASTANI	9726085	VLGC	2020
	SHARDA	9383352	Coastal	2021
	SHAURYAII	9257010	Aframax	2022,2023
	SHIVA	9427146	Intermediate	2023
	SIA	9397080	VLGC	2022,2023,2024
	SINCERE 02	9226011	MR2	2023
	SINO STAR	9263693	MR2	2021
	SIRVAN SABOU	9105906	Aframax	2020
	SISAMO X	9142502	Coastal	2020,2021,2023
	SKY	9031739	Coastal	2020
	SNARTH	9349655	Flexi	2023
	SONA	9005053	VLGC	2020,2021,2022,2023,2024
	SONAS	9257486	Coastal	2024
	SOUFIA 1	9273052	Aframax	2021,2022,2023
	SPIRIT	9252371	Aframax	2023,2024
	SPLENDOUR OPAL	9341366	Intermediate	2021
	SPM AGILITY	9145425	MR1	2020,2021
	ST.OSLO	9177806	MGC	2023,2024
	STANDORF	8902993	MGC	2020,2021
	STAR	9252060	MR2	2020
	STAR ADVANCE	9149249	MR2	2021
	STAR LINE	9237618	Aframax	2023,2024
	STAR RAIL	9277761	LR1	2022,2023
	SUN	9131101	Coasters	2022,2023
	SUNSEA	9342786	Flexi	2023
	SUPER G	9418121	MR2	2020
	SUPER SPEEDO	9203928	MR2	2020,2023
	SWIFTCHEM	9121754	Intermediate	2020
	SYRMA	9204805	Flexi	2020,2021
	TALIA	9229025	Intermediate	2024
	TASCA	9313149	VLCC+	2023
	TEMIRO	9209972	MR2	2022
	TERNHAV	9232955	Intermediate	2024
	TESLA	9246138	LR2	2020
	THANASIS	9239989	MR2	2020
	THE GAS AMELIA	9127033	VLGC	2021,2022,2023,2024
	THURAYA	9158305	MR2	2020

Company	Ship name	IMO Number	Vessel type	Years of Departure
	TIGER	9165542	Aframax	2020,2021,2023,2024
	TOMSON GAS	8811766	Coasters	2020,2021,2022
	TOP GRAND	9308120	MR2	2024
	TOWER RISE	8912546	VLGC	2020,2021,2022
	TRIS GAS	9041655	VLGC	2020,2021,2022,2023,2024
	TRITON EXPLORE	9343118	MGC	2024
	TRUGEN	9200861	Coastal	2020,2021
	TULIP	8912558	VLGC	2020,2021,2022,2023,2024
	TULIP BZ	9014420	MGC	2020,2021,2022
	TURACO	9247780	Aframax	2023
	ULLSWATER	9139945	Coasters	2020,2021,2022,2023,2024
	UNITED SEAS	9142320	Coastal	2020,2021
	URGAN I	9231901	Aframax	2021,2022,2023,2024
	VALANO	9370537	VLGC	2023,2024
	VALIANT	9274288	Intermediate	2020
	VALOUR	9410894	LR2	2024
	VENTURA	9199828	Aframax	2020
	VENTURA	9216559	LR1	2021,2022,2023,2024
	VERA	9304655	VLCC+	2024
	VERGIOS	9187435	Aframax	2020,2021,2022,2023
	VICTORY	9165293	MR2	2021
	VICTORY ARI	9290919	MR2	2024
	VIOLET1	9154000	MR1	2020,2023
	WAN CHENG	9234587	MR2	2020
	WAN HE	9248461	Flexi	2020,2021
	WEALTHY BAY	9197040	Intermediate	2020
	WEALTHY STAR	9773301	MR1	2020,2023,2024
	WHITE PURL	7230666	Coasters	2020,2021
	WORLD PROGRESS	9300996	MR2	2021,2023
	XAVIA	9052331	VLGC	2020,2021,2022,2023,2024
	XI WANG MU	9007386	VLGC	2020,2021,2022,2023,2024
	Y L W	9360398	Coastal	2021
	YING GE	9280366	Panamax	2024
	YONG TAI	9231511	LR1	2023,2024
	ZENITH	9157765	Aframax	2021,2023
	ZEVS	9168946	Suezmax	2024

Data source: Vortexa Analytics tanker tracker (accessed March 2025)

Notes: Table reflects cargos that departed after sanctions were fully in effect in 2020. In a few cases, vessels with the same name have multiple IMO numbers. Vessel types are defined in Appendix F.

Appendix D. Ports Involved in the Exporting and Sale of Iranian Crude Oil

Third-party data are as of March 2025 and are subject to change.

The time period for ports involved in exporting Iranian crude oil and condensates covers 2020 through 2024 because sanctions on Iran's sale of oil did not fully come into effect until May 2019. The first full year of these oil sanctions began in 2020.¹⁰

Table D1. Ports involved in the exporting and sale of Iranian crude oil from 2020-2024

Country	Port city	Years of Departure
Brunei		
	Muara	2024
China		
	Bayuquan, Yingkou	2020,2021,2022,2023,2024
	Changshu	2022
	Dalian	2020,2021,2022,2023,2024
	Dongjiakou	2020,2021,2022,2023,2024
	Dongying	2022,2023,2024
	Gulei, Zhangpu	2022,2023,2024
	Huangze Mountain Island	2021,2022,2023,2024
	Huizhou	2020,2021,2023,2024
	Jinghai	2023
	Jinzhou	2021
	Laizhou	2021,2023,2024
	Lianyungang	2023,2024
	Longkou	2020,2021,2022,2023,2024
	Ningbo (Beilun)	2020,2023
	Qingdao	2020,2021,2022,2023,2024
	Rizhao - Lanshan Area	2020,2021,2022,2023,2024
	Shanghai	2021,2023,2024
	Tianjin	2020,2021,2022,2023,2024
	Yangpu	2021,2024
	Yantai	2020,2021,2022,2023,2024
	Zhanjiang	2020,2021,2022,2023
	Zhoushan	2020,2021,2022,2023,2024
	Unidentified	2021,2021
Indonesia		

¹⁰ In our previous report, this table included data for the years 2021-2023. In the current report, we expanded the period covered to capture the first full year of sanctions (2020) as well as the latest full year of data (2024). Therefore, more ports appear in this table than in our previous report.

Country	Port city	Years of Departure
	Karimun (Offshore)	2022
	Senipah Terminal	2023
Iraq		
	Khor Al Zubair	2023
	Umm Qasr	2023
Malaysia		
	Pengerang	2024
	Port Klang	2020,2021,2022,2023
	Tanjung Langsat	2022
	Unidentified	2021,2022,2023,2024
Singapore		
	Singapore	2022,2023,2024
Syria		
	Banias	2020,2021,2022,2023,2024
	Unidentified	2020,2021
United Arab Emirates		
	Fujairah	2021,2022,2023,2024
	Hamriyah	2021,2022,2023
	Jebel Ali	2020,2022,2023,2024
	Khor Fakkan	2024
	Sharjah	2021,2022,2024
United States		
	Houston ^a	2022
Venezuela		
	Amuay Bay	2022
	El Palito	2022
	Jose Terminal	2020,2021,2022,2023
	Punta Cardon	2022
	Unidentified	2020
Vietnam		
	Unidentified	2021,2022,2023,2024
Yemen		
	Aden	2020

Data source: Vortexa Analytics (accessed March 2025)

Note: The list of ports is likely incomplete due to the presence of unidentified ports. Cargoes associated with Brunei, Indonesia, Malaysia, Singapore, and Vietnam were likely ultimately bound for China.

^a This represents a contraband cargo seized in 2023 by the U.S. government and re-routed to the United States. See <https://www.justice.gov/archives/opa/pr/justice-department-announces-first-criminal-resolution-involving-illicit-sale-and-transport>.

Appendix E. Ports Involved in the Exporting and Sale of Iranian Petroleum Products

Third-party data are as of March 2025 and are subject to change.

The time period for ports involved in exporting Iranian petroleum products covers 2020 through 2024 because sanctions on Iran's sale of oil did not fully come into effect until May 2019. The first full year of these oil sanctions began in 2020.¹¹

Table E1. Ports involved in the exporting and sale of Iranian petroleum products from 2020-2024

Country	Port city	Years of Departure
Bahamas		
	Freeport	2020
Bangladesh		
	Chittagong	2020,2021,2022,2023,2024
	Mongla	2020,2021,2022,2023,2024
China		
	Bayuquan, Yingkou	2021
	Changshu	2020,2021,2022,2023,2024
	Chaozhou	2020,2021,2022,2023,2024
	Dalian	2020,2021,2022,2024
	Dongguan, Humen	2020,2021,2022,2023,2024
	Dongjiakou	2022,2023,2024
	Dongying	2023,2024
	Fangcheng	2020,2022,2023
	Gulei, Zhangpu	2021,2022,2023,2024
	Huangze Mountain Island	2023,2024
	Jiangyin	2020,2021,2022,2023,2024
	Jiangyin, Fuzhou	2022,2023,2024
	Jingjiang	2020,2023
	Laizhou	2024
	Lianyungang	2020,2021,2022,2023,2024
	Longkou	2020,2021,2022,2023,2024
	Nanjing	2020,2021,2022,2023,2024
	Nansha	2020,2022,2023
	Nantong	2020,2021,2022,2023
	Ningbo (Beilun)	2020,2021,2022,2023,2024
	Pinghu, Jiaxing	2020,2021,2022,2023,2024
	Qingdao	2022,2023,2024
	Qinzhou	2022,2023,2024

¹¹ In our previous report, this table included data for the years 2021-2023. In the current report, we expanded the period covered to capture the first full year of sanctions (2020) as well as the latest full year of data (2024). Therefore, more ports appear in this table than in our previous report.

Country	Port city	Years of Departure
	Quanzhou	2020,2021,2022,2023,2024
	Rizhao - Lanshan Area	2023,2024
	Shanghai	2020,2023,2024
	Shantou	2020,2021,2022,2023,2024
	Shuidong, Maoming	2020,2023,2024
	Taicang	2020,2021,2023,2024
	Taixing	2020,2021,2022,2023
	Tianjin	2023
	Weifang	2020,2024
	Xiuyu (Meizhou)	2020
	Yangpu	2020
	Yantai	2024
	Yizheng	2020,2023,2024
	Zhangjiagang	2020,2021,2022,2023,2024
	Zhanjiang	2020,2021
	Zhapu	2020,2021,2022,2023,2024
	Zhenjiang	2020
	Zhoushan	2021,2022,2023,2024
	Zhuhai	2020,2021,2022,2023,2024
Egypt		
	Suez	2021,2024
Eritrea		
	Massawa	2022
Greece		
	Agioi Theodoroi	2024
India		
	Cochin (Kochi)	2020,2024
	Dighi (Pune)	2020
	Haldia	2020,2021,2022,2023,2024
	Hazira (Magdalla)	2020,2021
	Jaigarh	2022,2023
	Kakinada	2020,2021,2022,2024
	Kandla	2020,2021,2022
	Karwar	2020,2021,2023
	Mormugoa	2023,2024
	Mumbai	2020,2021,2022,2023,2024
	Mundra	2020,2021,2022
	New Mangalore	2020,2021,2023,2024
	Paradip	2020,2021,2022,2023,2024
	Pipavav	2020,2021,2023
	Sikka	2024
	Tuticorin	2020,2021

Country	Port city	Years of Departure
	Vizag (Visakhapatnam)	2021,2023
	Unidentified	2020
Indonesia		
	Banyuwangi (Tg Wangi)	2021
	Gresik (Surabaya), Java	2021
	Karimun (Offshore)	2022
Iraq		
	Khor Al Zubair	2022,2024
	Unidentified	2020
Kuwait		
	Shuwaykh	2020
Malaysia		
	Kemaman (Tanjung Sulong)	2023
	Kuantan (Tanjung Gelang)	2021
	Kuching	2020
	Pasir Gudang, Johor	2021,2022,2023
	Pengerang	2021
	Port Klang	2020,2021,2022,2023,2024
	Tanjung Bin (Pelepas)	2020
	Tanjung Langsat	2023,2024
	Unidentified	2021,2023
Maldives		
	Male	2023
Mexico		
	Altamira	2021
Myanmar		
	Yangon	2020,2021,2022,2024
Oman		
	Duqm	2020
	Mina Al Fahal, Muscat	2020,2021,2023
	Sohar	2020,2021,2024
Pakistan		
	Gwadar	2021,2022
	Karachi	2020
	Muhammad Bin Qasim	2020,2021,2022,2023,2024
Philippines		
	Manila	2022
Singapore		
	Singapore	2020,2021,2022,2023,2024
Somalia		
	Mogadishu	2020

Country	Port city	Years of Departure
South Korea		
	Yeosu (Yosu), Gwangyang	2020,2022
Sri Lanka		
	Hambantota	2021,2022,2023,2024
Sudan		
	Port Sudan	2020,2022
Syria		
	Banias	2020,2021
Taiwan		
	Kaohsiung	2020
	Taichung	2020,2021,2022
Tanzania		
	Zanzibar	2020
Thailand		
	Bang Pakong	2022,2024
Türkiye		
	Bandirma, Balıkesir	2021
	Dortyol	2024
	Gemlik, Bursa	2022,2024
	Mersin	2023
	Tutunciftlik	2021,2022,2024
United Arab Emirates		
	Dubai	2021
	Fujairah	2020,2021,2022,2023,2024
	Hamriyah	2020,2021,2022,2023,2024
	Jebel Ali	2020,2021,2022,2023,2024
	Khor Fakkan	2020
	Mina Saqr	2020,2023
	Sharjah	2020,2021,2022,2023,2024
	Unidentified	2024
Venezuela		
	El Palito	2020
	Jose Terminal	2020
	Puerto La Cruz	2020
	Unidentified	2020
Vietnam		
	Dung Quat	2023,2024
	Go Dau	2024
	Haiphong	2020,2023,2024
	Unidentified	2023

Country	Port city	Years of Departure
Yemen		
	Al Mukalla	2020
	Kamaran	2024
	Nishtun	2022

Data source: Vortexa Analytics (accessed March 2025)

Note: The list of ports is likely incomplete due to the presence of unidentified ports. Cargoes associated with Indonesia, Malaysia, Singapore, and Vietnam were likely ultimately bound for China.

Appendix F. Vessel Definitions for Iranian Shipment of Crude Oil and Petroleum Products

The global crude oil and refined product tanker fleet is typically classified using the [Average Freight Rate Assessment \(AFRA\) system](#) that was established by Royal Dutch Shell and is now overseen by an independent group of shipping brokers.

The AFRA system classifies tanker vessels according to deadweight tons, a measure of a ship's capacity to carry cargo. The approximate capacity of a ship in barrels is determined by multiplying 90% of a ship's deadweight tonnage by a barrel-per-metric-ton conversion factor specific to each type of petroleum product and crude oil, the density of which vary by type and grade.

In this report, we use vessel class definitions provided by Vortexa Analytics.

Table F1. Oil tanker class definitions

Vessel class	Deadweight tonnage
Coastal	<9,999
Specialized—Intermediate	10,000–17,999
Specialized—Flexi	18,000–24,999
Handysize	25,000–39,999
MR1	25,000–39,999
Handymax	40,000–54,999
MR2	40,000–54,999
Panamax	55,000–79,999
LR1	55,000–79,999
Aframax	80,000–119,999
LR2	80,000–119,999
Suezmax	120,000–199,999
LR3	120,000–199,999
VLCC	200,000–450,000

Data source: Vortexa Analytics

Table F2. Liquefied petroleum gas vessel class definitions

Vessel class	Capacity cubic meters
SGC—Coasters	<14,999
SGC—Handysize	15,000–24,999
MGC	25,000–49,999
LGC	50,000–69,999
VLGC	70,000–120,000
VLEC	70,000–120,000

Data source: Vortexa Analytics

Appendix G. Changes to Iran’s Petroleum Export and Sales Revenue Estimation Methodology

In EIA’s previous report published in October 2024¹², net petroleum exports were determined by subtracting Iran’s oil consumption from its oil production, with oil production including crude oil, condensate, natural gas plant liquids, and other liquids. To determine a weighted price, we assumed Iran’s export volumes are composed of 44% Iranian Heavy crude and 56% Iranian Light crude. These shares were then multiplied by their respective prices and summed to determine a weighted price for Iran petroleum exports for all years. The prices we used to estimate revenues are the Iranian Crude Oil Official Selling Price formulas published by the National Iranian Oil Company, which do not include discounts. These prices averaged \$83 per barrel (b) for Iranian Heavy in 2023 and \$81/b for Iranian Light. We assumed only these crude oil prices and total oil volumes in calculating estimated revenues.

For this year’s report, we refined our methodology and use crude oil and condensate exports¹³ for each Iranian crude oil stream¹⁴ to calculate revenues. For 2018 through 2024, we multiply each stream’s exports by their respective prices and sum the result to estimate revenues for Iran. Table G2 contains a list of all streams that compose Iran’s exports for those years. We assume a proxy price for streams without available price data. To source proxy price data, we first identify Iranian streams with similar API gravities and sulfur contents¹⁵ with available price data. If these streams are missing price data, we next look at crude streams in neighboring countries with similar gravities and sulfur contents to use as a proxy price. If no comparable streams with price data exist in the region, we calculate a weighted average of all prices available and assume the weighted average as the price. Table G1 shows the API gravity, sulfur content, and the prices we assume for each of the streams in the revenue calculation.

¹² U.S. Energy Information Administration, Report on Iranian Petroleum and Petroleum Product Exports (October 2024)

¹³ Iranian crude oil and condensate exports are sourced from Energy Intelligence from 2018 to 2023. We sourced 2024 exports from Vortexa Analytics.

¹⁴ For the definition of crude oil stream, see [EIA’s Glossary](#).

¹⁵ For the definitions of API gravity, sulfur, and sulfur content, see [EIA’s Glossary](#).

Table G12. Gravity, sulfur content, and prices of crude streams used in revenue calculation

Crude Stream	Gravity (°API at 60F)	Sulfur Content (% Wt)	Prices used	Gravity (°API at 60F)	Sulfur Content (% Wt)
Foroozan Blend	30.40	2.21	Iran Heavy (Iran)	29.60	2.24
Iran Heavy	29.60	2.24	Iran Heavy (Iran)	29.60	2.24
Iran Light	33.60	1.46	Iran Light (Iran)	33.60	1.46
Lavan Blend	35.40	1.67	Iran Light (Iran)	33.60	1.46
Nowruz-Soroush	18.90	3.88	Basrah Heavy (Iraq)	24.03	3.83
Sirri	33.00	1.83	Iran Light (Iran)	33.60	1.46
South Pars Condensate	60.99	0.26	Weighted average price ^a	--	--
Other Crudes ^b	--	--	Weighted average price	--	--

Data source: Energy Intelligence, World Crude Oil Data

^a The weighted average price is calculated from the prices used for each stream—Iran Heavy, Iran Light, and Basrah Heavy. Basrah Heavy is a crude stream produced in Iraq and exported through the Basrah port in the Persian Gulf.

^b The streams in the Other Crudes category are not specified by Energy Intelligence, but they exclude the other Iranian streams in the table.

-- = Not applicable

Table G2. Average share of Iranian exports by stream, from 2018 to 2024

Crude Stream	Average Share (%)
Foroozan Blend	2.4
Iran Heavy	50.0
Iran Light	31.9
Lavan Blend	0.5
Nowruz-Soroush	0.4
Sirri	0.5
South Pars Condensate	13.5
Other Crudes ^a	0.8

Data source: Energy Intelligence, World Crude Oil Data

^a The streams in the Other Crudes category are not specified by Energy Intelligence, but they exclude the other Iranian streams mentioned in the table.