

Summary

147 refinery fires, explosions, or attacks recorded since March 2022.

27 countries or territories affected.

Countries / territories affected:

Saudi Arabia, Australia, Canada, China, South Korea, United Arab Emirates, France, Greece, Hungary, India, Indonesia, Iran, Iraq, Israel, Japan, Kuwait, Libya, Mexico, Nigeria, Romania, Russia, Sudan, Taiwan, Ukraine, United States, Venezuela, U.S. Virgin Islands.

Countries

Country / territory	Events
Russia	65
United States	24
Ukraine	7
Venezuela	6
Mexico	5
India	5
Kuwait	4
Iran	4
France	2
South Korea	2
Taiwan	2
Saudi Arabia	2
Australia	1
Canada	1
China	1
United Arab Emirates	1
Greece	1
Hungary	1
Indonesia	1
Iraq	1

Country / territory	Events
Israel	1
Japan	1
Libya	1
Nigeria	1
Romania	1
Sudan	1
U.S. Virgin Islands	1
Total	143

Geographic Scope

- 147 events recorded
- 27 countries or territories affected
- 6 continents represented

The recorded events are not concentrated in a single region of the world: they involve refineries across all major inhabited regions, in 27 countries or territories with very different economic and geopolitical profiles.

- Europe: France, Greece, Hungary, Romania, Russia, Ukraine
- North America: Canada, United States, Mexico
- South America: Venezuela
- Asia: China, South Korea, India, Indonesia, Japan, Taiwan
- Middle East: Saudi Arabia, United Arab Emirates, Iran, Iraq, Israel, Kuwait
- Africa: Libya, Nigeria, Sudan
- Oceania: Australia
- Caribbean territory: U.S. Virgin Islands

Date	Country	Refinery	Event
Mar. 2022	France	Port-Jérôme-sur-Seine	Fires broke out in the distillation unit following a power outage
Mar. 2022	Canada	Suncor Edmonton	Fire at the refinery; area evacuated, 1 person hospitalized
Apr. 2022	Mexico	Salina Cruz	Major fire in a gasoline storage tank
Apr. 2022	Ukraine	Kremenchuk	Missile strikes → major fires; refinery taken out of service
Apr. 2022	Ukraine	Lysychansk	Missile strike → major fire at the refinery

Date	Country	Refinery	Event
Apr. 2022	Ukraine	Odesa	Missile strikes → major fire at the refinery
Apr. 2022	Nigeria	Abaezi / Rivers-Imo	Explosion + fire at an illegal refinery; more than 100 people killed
Apr. 2022	Ukraine	Kremenchuk	New missile strike against refining facilities
May 2022	Ukraine	Lysychansk	Shelling → production facilities damaged; firefighters unable to intervene
May 2022	South Korea	S-Oil Onsan / Ulsan	Explosion + fire; 1 dead, 9 injured; several units shut down
Jun. 2022	Ukraine	Lysychansk	New shelling → fire at the refinery
Jun. 2022	Russia	Novoshakhtinsk	Drones, explosion/fire, production halted
Jun. 2022	United States	Valero Houston, Texas	Fire at the 205,000 bpd refinery; personnel evacuated, fire extinguished
Aug. 2022	U.S. Virgin Islands	St. Croix	Fire in the coke conveyor system; one firefighter suffered minor burns
Aug. 2022	United States	Whiting	Electrical fire at the refinery → several units shut down
Sep. 2022	United States	BP-Husky Toledo, Ohio	Naphtha leak → major fire; 2 workers killed, refinery shut down
Sep. 2022	Venezuela	Puerto La Cruz	Lightning strike → fire at the refinery; a nearby fuel terminal was also affected
Oct. 2022	Venezuela	Amuay / Paraguana	Fire in a vacuum tower → widespread power outage; entire refining complex shut down
Oct. 2022	Taiwan	Dalin	Explosion + major fire, suspected gas leak
Oct. 2022	India	Haldia	Flash fire at the Indian Oil refinery; 3 workers suffered burns
Oct. 2022	Venezuela	El Palito	Lightning struck a fuel tank → fire at the refinery; fire brought under control
Nov. 2022	Russia	Angarsk	Fire at the refinery
Nov. 2022	United States	Valero Corpus Christi	Reported explosion + fire at the refinery; no injuries

Date	Country	Refinery	Event
Dec. 2022	Russia	Angarsk	Explosion + major fire covering ~2,500 m ² ; 2 dead and 2 injured
Dec. 2022	United States	El Segundo	Isolated fire at the Chevron refinery; quickly brought under control
Jan. 2023	China	Panjin Haoye	Explosion + fire, 5 dead, 8 missing, ~30 injured; complex shut down
Feb. 2023	Russia	NORSI / Nizhny Novgorod	Major fire in a delayed coking unit
Feb. 2023	Russia	Novoshakhtinsk	Fire covering approximately 100 m ² ; preliminary cause: technological process issue
Feb. 2023	United States	Deer Park, Texas	Fire in a crude distillation unit
Feb. 2023	Mexico	Minatitlán	Fire at the refinery; 5 injured
Apr. 2023	Indonesia	Dumai	Explosion + fire, 9 injured
May 2023	United States	Galveston Bay, Texas	Fire at the Marathon refinery
May 2023	Russia	Ilsky	Drone attack + fire at the refinery
May 2023	Russia	Ilsky	Second attack/fire in two days
May 2023	Russia	Afipsky	Drone attack causing a fire
May 2023	India	Numaligarh, Assam	Fire in the hydrocracking unit; unit restarting, no casualties
Jun. 2023	Romania	Petromidia	Explosion + fire at the country's largest refinery
Jul. 2023	Kuwait	Al-Zour	Fire in Unit No. 12; no injuries, production and exports maintained
Jul. 2023	Kuwait	Mina Al-Ahmadi	Fire on a line in a bitumen production unit; fire brought under control
Jul. 2023	Venezuela	Cardón	Minor fire in the catalytic cracking unit; unit taken out of service
Aug. 2023	United States	Marathon Garyville	Naphtha leak → major fire; evacuation within a 2-mile radius

Date	Country	Refinery	Event
Aug. 2023	South Korea	Daesan	Fire at the refinery → affected facilities shut down for approximately 7 days
Sep. 2023	Kuwait	Mina Al-Ahmadi	New fire in Unit No. 35; no injuries, production and exports unaffected
Sep. 2023	Ukraine	Kremenchuk	Drone attack → fire; refinery temporarily shut down
Oct. 2023	Venezuela	Cardón	Fire in a crude distillation unit → unit shut down; no injuries
Dec. 2023	Iran	Birjand	Fire + 2 explosions, 18 tanks on fire
Dec. 2023	Iran	Isfahan	Fire in a crude oil distillation unit
Dec. 2023	United States	Galveston Bay, Texas	Fire in a sour water tank + explosion in a second tank
Jan. 2024	Russia	Tuapse	Major fire at the 240,000 bpd refinery
Jan. 2024	Taiwan	Mailiao / Formosa	Fire at the refinery → production unit shut down
Feb. 2024	Russia	Volgograd	Drone attack + fire
Feb. 2024	Russia	Ilsky	Drone attack + major fire in the primary processing unit
Mar. 2024	Russia	Syzran	Drone attack + major fire
Mar. 2024	Venezuela	Cardón	Explosion + fire following a gasoline leak; 2 injured and 3 distillation units shut down
Mar. 2024	France	Port-Jérôme/Gravenchon	Fire in a distillation unit, injuries reported
Mar. 2024	Russia	Ryazan	Attack, fire, units representing ~70% of capacity shut down
Mar. 2024	Russia	NORSI	Fire following an attack, main unit damaged
Mar. 2024	Russia	Kaluga / Pervyi Zavod	Drone attack → refinery damaged
Mar. 2024	Russia	Kuibyshev	Drone attack → fire at the refinery

Date	Country	Refinery	Event
Apr. 2024	Russia	Nizhnekamsk / TANECO	Drone strike on a refining unit of approximately 155,000 bpd; fire
Apr. 2024	Russia	Ilsky	Drone attack + fire
Apr. 2024	Russia	Slavyansk	Drone attack, fire and refinery shutdown
May 2024	Russia	Kaluga / Pervyi Zavod	New drone attack against the refinery
May 2024	Russia	Salavat	Drone attack → catalytic cracking unit shut down
May 2024	Russia	Volgograd	Drone attack → fire at the refinery
May 2024	Russia	Tuapse	Drone attack → fire at the refinery
Jun. 2024	Russia	Novoshakhtinsk	Drone attack → fire at the refinery
Jun. 2024	Russia	Ukhta	Fire during technical work; 2 dead and 1 seriously injured
Jun. 2024	Iraq	Erbil / Gwer	Multiple explosions + major fire at the refinery
Jul. 2024	Japan	Idemitsu Chiba	Fire in a lubricants unit; oil leak reported, 1 injured
Jul. 2024	Russia	Tuapse	Drone attack → explosion/fire; refinery damaged, no injuries
Aug. 2024	Russia	Omsk	Explosion/fire, 7 hospitalized; another unit had already suffered a fire earlier that month
Sep. 2024	Russia	Moscow	Drone attack + fire; unit representing ~50% of capacity suspended
Sep. 2024	Greece	Peloponnese	Fire + explosion in a distillation unit
Sep. 2024	Mexico	Salina Cruz	New fire, 2 dead
Nov. 2024	India	Vadodara, Gujarat	Major fire at the Indian Oil refinery
Nov. 2024	India	Mathura, Uttar Pradesh	Fire in the crude distillation unit; 8 injured

Date	Country	Refinery	Event
Dec. 2024	India	Vadodara / Gujarat	New fire in a furnace in the NS1 unit; fire quickly brought under control, no injuries
Jan. 2025	United States	Coffeyville, Kansas	Fire in the naphtha hydrotreating unit
Jan. 2025	Sudan	Khartoum / Al-Jaili	Major refinery fire amid fighting; army and RSF blamed each other
Jan. 2025	Russia	Volgograd	Fire in a diesel hydrotreating unit; unit shut down
Jan. 2025	Russia	Ryazan	Drone attack → fire; storage facilities and equipment damaged
Feb. 2025	Russia	Volgograd	Massive drone attack → fire at the refinery
Feb. 2025	United States	Martinez, California	Major fire, operations severely disrupted for several months
Feb. 2025	Russia	Saratov	Drone attack → fuel production suspended
Feb. 2025	Russia	Ryazan	New drone attack → refinery shut down again
Mar. 2025	Russia	Syzran	Drone attack against the refinery
Mar. 2025	Russia	Kirishi	Drone attack → storage tank damaged by debris
Mar. 2025	Russia	Tuapse	Drone attack → major fire; fire brought under control after several days
Mar. 2025	Russia	Ryazan	Explosion during maintenance; 1 dead and 3 injured
Mar. 2025	Russia	Ufa	Fire near a furnace; authorities cited a technical issue
Mar. 2025	United States	Phillips 66 Los Angeles	Fire at the refinery, brought under control with no casualties
Apr. 2025	United States	Martinez, California	New fire, this time involving a generator while it was being refueled
May 2025	United States	Tuscaloosa, Alabama	Fire in the coking unit following a power outage; production reduced
Jun. 2025	United States	Galveston Bay, Texas	Fire; production reduced at several units

Date	Country	Refinery	Event
Jul. 2025	United States	Lake Charles, Louisiana	Lightning struck a storage tank → fire
Jul. 2025	United States	Pascagoula, Mississippi	Fire in the wastewater treatment area; 4 injured
Jul. 2025	Iran	Abadan	Fire officially attributed to a pump leak; 1 dead and several people burned
Aug. 2025	United States	Bayway/Linden, New Jersey	Fire involving equipment in the FCC unit, resulting in a production shutdown
Aug. 2025	Russia	Novoshakhtinsk	Drone attack → major fire lasting 4 days; 400+ personnel mobilized
Aug. 2025	Russia	Afipsky	Drone attack → primary unit damaged and shut down
Aug. 2025	Russia	Ryazan	Drone attack → fire and partial refinery shutdown
Aug. 2025	Russia	Volgograd	Drone attack → fire; refining unit damaged
Aug. 2025	Russia	Saratov	Drone attack → fire and operational disruption
Aug. 2025	Russia	Novokuibyshevsk	Drone attack → refinery hit and operations suspended
Aug. 2025	Russia	Syzran	Drone attack → fire; crude processing disrupted
Sep. 2025	Russia	Ufa / Bashneft	Drone attack → explosion/fire; limited damage, no injuries
Sep. 2025	Russia	Kirishi	Drone shot down → debris caused a fire at the refinery
Sep. 2025	Russia	Afipsky	Drone debris → fire in a primary unit; unit shut down
Sep. 2025	United States	Lake Charles, Louisiana	Flash fire, 4 workers affected
Oct. 2025	United States	El Segundo	Major fire/explosion, several units shut down
Oct. 2025	Hungary	Danube / Százhalombatta	Fire in a major processing unit; production reduced
Oct. 2025	United States	Whiting	Fire, several units out of service

Date	Country	Refinery	Event
Oct. 2025	Kuwait	Al-Zour	Fire in a desulfurization unit; distillation unit also shut down
Nov. 2025	Iran	Jannatabad / Semnan	Major fire at a refinery; 1 dead and 3 injured
Jan. 2026	Russia	Afipsky	Ukrainian drone debris → fire at the refinery; no injuries
Feb. 2026	Russia	Novominskaya	Major storage tank fire at the refinery; 39 firefighters mobilized
Feb. 2026	Russia	Ukhta	Ukrainian drone attack → fire at the refinery; no injuries
Mar. 2026	Saudi Arabia	Ras Tanura	Drone attack → debris caused a fire; units shut down as a precaution
Mar. 2026	United Arab Emirates	Ruwais	Drone attack → fire at the complex; refinery shut down as a precaution
Mar. 2026	United States	Port Arthur	Major explosion + fire, 380,000 bpd refinery temporarily shut down
Mar. 2026	Israel	Haifa	Explosion + fire at the refinery during an Iranian strike
Apr. 2026	Australia	Geelong	Major fire at Australia's largest refinery
Apr. 2026	Russia	Tuapse	Drone attack → major fire; refinery shut down
Apr. 2026	Mexico	Olmecca / Dos Bocas	Major fire at the refinery; large emergency response deployed
May 2026	Mexico	Olmecca / Dos Bocas	New fire during maintenance; fire quickly brought under control
May 2026	United States	Chalmette	Equipment explosion + major fire
May 2026	United States	Tulsa / HF Sinclair	Major fire at the refinery; fire brought under control
Jun. 2026	Russia	Ilsky	Drone attack → fire at the refinery
Jun. 2026	Russia	Moscow	Drone attack + major fire; unit representing ~53% of capacity affected
Jul. 2026	Russia	Ilsky	Drone attack + fire

Date	Country	Refinery	Event
Jul. 2026	Russia	Omsk	Ukrainian drone attack → fire at Russia's largest refinery
Jul. 2026	Saudi Arabia	Jazan	Houthi attack → damage and smoke/fire; refinery shut down
Aug. 2026	Russia	Yaroslavl / Slavneft-Yanos	Drone attack + fire; 4 injured
Aug. 2026	Russia	TANECO	Ukrainian strike → fire at the refinery
Aug. 2026	Libya	Zawiya	Drone attack → major fire at the refinery
Sep. 2026	Russia	Syzran	New strike against the refinery
Sep. 2026	Russia	Volgograd	Drone strikes → refining severely reduced/halted
Sep. 2026	Russia	Kirishi	Drone strikes → production severely reduced
Sep. 2026	Russia	NORSI	Drone strikes → production severely reduced
Sep. 2026	Russia	Saratov	Drone attacks → fires and damage; refining halted
Sep. 2026	Russia	TANECO / Nizhnekamsk	Drone attack against the refinery
Sep. 2026	Russia	Moscow / Kapotnya	Drone attack → refinery facilities damaged
Oct. 2026	India	MRPL / Mangaluru	Explosion and fire in a hydrotreater unit → unit affected; at least one fatality
Oct. 2026	Saudi Arabia	Riyadh / Aramco	Major fire at the refinery → large plume of smoke
Oct. 2026	Venezuela	Cardón / Paraguaná	Fire on a gas pipeline → refinery shutdown followed by a gradual restart
Oct. 2026	Greece	Motor Oil / Corinth	Maintenance accident → two workers seriously injured, one fatally; production maintained

Breakdown

- Conflict / military attack: 67 events
- Non-conflict / incident: 80 events

Approximately 46% linked to conflict, compared with 54% unrelated to conflict.

Year	Conflict	Non-conflict	Total
2022*	7	18	25
2023	4	19	23
2024	17	13	30
2025	18	19	37
2026**	21	11	32
Total	67	80	147

The observed increase therefore cannot be attributed solely to conflicts:
more than half of the recorded events were non-conflict incidents.

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