



Gulf Oil Marine

PRODUCT RANGE

always at the ship's side



MAIN LUBRICANTS

SYSTEM OILS	1
TRUNK PISTON ENGINE OILS	1
CYLINDER OILS	1

AUXILIARY LUBRICANTS

GEAR OILS	2
REFRIGERATING OIL	2
COMPRESSOR OILS	2
HEAT TRANSFER OIL	2
TURBINE OILS	2
HYDRAULIC OILS	3
TRANSMISSION & GEAR OILS	3
ENGINE OILS	3-4
SYNTHETIC AIR COMPRESSOR OILS	4
SYNTHETIC GEAR OILS	4
SYNTHETIC REFRIGERATING OILS	4-5
GREASES	5
ENVIRONMENTALLY ACCEPTABLE LUBRICANTS	5

DISCLAIMER

The information contained in this documents is indicative only and not legally binding for Gulf Oil Marine Ltd, or any of the Sealube Marine members. The listed products are subject to availability and/ or change. Gulf Oil Marine Ltd reserves the right to modify the information in case of any changes, including withdrawal, with regard to any of its products or any elements thereof. For further information, please also refer to our Product Data Sheets and the Material Safety Data Sheets or call our sales representatives.

MAIN LUBRICANTS

GULF OIL MARINE LUBRICANTS TYPICAL VALUES

SYSTEM OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
			15°C	20°C	40°C	100°C			
GulfSea SuperBear 3006	30	6	0.893	0.890	99.4	11.1	-18	220	Low Speed 2 Stroke Engine System Oil specifically designed for modern Marine Propulsion Engines operating on Heavy Fuel Oil (HFO).
GulfSea SuperBear 3008 *	30	8	0.886	0.883	99.3	11.2	-18	232	

TRUNK PISTON ENGINE OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
			15°C	20°C	40°C	100°C			
GulfSea Power 3030	30	30	0.909	0.906	92.2	11.1	-18	>215	Marine Trunk Piston Engine Oil specially designed for modern Medium Speed 4-stroke Marine Engines running Heavy Fuel Oil (HFO).
GulfSea Power 3040	30	40	0.915	0.912	89.8	11.1	-18	>215	
GulfSea Power 3055	30	55	0.926	0.923	86.4	11.1	-18	>215	
GulfSea Power 4030	40	30	0.908	0.905	139.3	14.5	-18	>215	
GulfSea Power 4040	40	40	0.912	0.909	135.9	14.5	-18	>215	
GulfSea Power 4055	40	55	0.920	0.917	130.8	14.5	-18	>215	
GulfSea Power MDO 3012	30	12	0.897	0.894	96.8	11.1	-18	>215	Marine Diesel Engine Oil specially designed for all types of modern High or Medium Speed 4-stroke Diesel Engines running Gas Oil or Marine Diesel Oil (MDO).
GulfSea Power MDO 3015	30	15	0.899	0.897	96.0	11.1	-18	>215	
GulfSea Power MDO 3020	30	20	0.902	0.899	94.7	11.1	-18	>215	Marine Diesel Engine Oil specially designed for all types of modern Medium Speed 4-stroke Diesel Engines running Gas Oil or Marine Diesel Oil (MDO).
GulfSea Power MDO 4012	40	12	0.899	0.897	145.6	14.5	-18	>215	
GulfSea Power MDO 4015	40	15	0.901	0.898	144.5	14.5	-18	>215	
GulfSea Power MDO 4020	40	20	0.903	0.900	142.8	14.5	-18	>215	

CYLINDER OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
			15°C	20°C	40°C	100°C			
GulfSea Cylcare DCA 5040H	50	40	0.922	0.919	238.0	19.8	-18	242	Marine Cylinder Oil specially designed for modern Low Speed 2-stroke Marine Main Engines using Heavy Fuel Oil (HFO).
GulfSea Cylcare EHP 5055	50	55	0.926	0.916	232.7	19.7	-18	232	Extra High Performance Marine Cylinder Oil specially designed for modern Low Speed 2-stroke Marine Propulsion Engine using Heavy Fuel Oil (HFO).
GulfSea Cylcare DCA 5070H	50	70	0.934	0.931	234.2	19.9	-18	246	Marine Cylinder Oil specially designed for modern Low Speed 2-stroke Marine Main Engines using Heavy Fuel Oil (HFO).
GulfSea Cylcare 5085	50	85	0.943	0.940	221.9	19.4	-12	248	Marine Cylinder Oil specially designed for the latest range of modern Low Speed 2-stroke Marine Diesel Engines using High Sulphur Heavy Fuel Oil (HFO).
GulfSea Cylcare 50100	50	100	0.954	0.951	225.1	19.3	-9	250	
GulfSea Cylcare ECA 50	50	>15	0.902	0.899	200.8	19.0	-18	270	Marine Cylinder Oil specially designed for all Low Speed 2-stroke Marine Diesel Engines when operating in a MARPOL Annex VI Emission Control Area (ECA) using max 0.1%wt sulphur heavy fuel oil (HFO) or marine gas oil (MGO).

Note: The reference density for volume conversion for invoicing purposes is 15°C for bulk deliveries and 20°C for all packed deliveries.
 * This product will be obsolete.

AUXILIARY LUBRICANTS

GULF OIL MARINE LUBRICANTS TYPICAL VALUES

GEAR OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
			15°C	20°C	40°C	100°C			
GulfSea Gear Oil 68	68	-	0.884	0.881	68.2	8.7	-15	224	Marine Gear Oil with Sulphur-phosphorous additives specially formulated for all types of gears and bearings in extreme pressure conditions.
GulfSea Gear Oil 100	100	-	0.889	0.886	100.2	11.2	-15	230	
GulfSea Gear Oil 150	150	-	0.893	0.890	148.7	14.6	-12	240	
GulfSea Gear Oil 220	220	-	0.897	0.894	218.8	18.8	-12	242	
GulfSea Gear Oil 320	320	-	0.901	0.898	315.7	23.8	-12	246	
GulfSea Gear Oil 460	460	-	0.905	0.902	461.3	28.4	-9	252	
GulfSea Gear Oil 680	680	-	0.907	0.904	682.4	37.7	-6	256	

REFRIGERATING OIL

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
			15°C	20°C	40°C	100°C			
GulfSea N Cooloil	68	-	0.917	0.914	68	6.6	-36	202	Marine Refrigerating Oil specially formulated for all types of refrigerating compressors using refrigerants like HCFC, ammonia and CO ₂ .

COMPRESSOR OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
			15°C	20°C	40°C	100°C			
GulfSea Compressor Oil 68		-	0.859	0.856	68.3	9.0	-12	220	Marine Air Compressor Oil specially formulated for all rotary / reciprocating air compressors.
GulfSea Compressor Oil 100	100	-	0.861	0.858	99.8	11.5	-12	228	

HEAT TRANSFER OIL

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
			15°C	20°C	40°C	100°C			
GulfSea HT Oil 32	32	-	0.868	0.865	32.2	5.4	-12	230	Marine Heat Transfer Mineral Oil with high oxidation resistance specially formulated for fired and unfired Heat Transfer systems.

TURBINE OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
			15°C	20°C	40°C	100°C			
GulfSea Turbine Oil 32	32	-	0.852	0.849	32.2	5.5	-24	212	Marine Turbine Oil specially formulated for turbo generators and turbo pumps.
GulfSea Turbine Oil 46	46	-	0.855	0.852	46.3	6.9	-21	220	
GulfSea Turbine Oil 68	68	-	0.858	0.855	68.3	8.9	-15	222	
GulfSea Turbine Oil 100	100	-	0.862	0.859	100.5	11.3	-15	224	

Note: The reference density for volume conversion for invoicing purposes is 15°C for bulk deliveries and 20°C for all packed deliveries.

GULF OIL MARINE LUBRICANTS TYPICAL VALUES

HYDRAULIC OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
			15°C	20°C	40°C	100°C			
GulfSea Hydraulic HVI Plus 15	15	-	0.855	0.852	14.9	3.8	-42	180	Marine Anti-wear Hydraulic Oil specially formulated for lubrication of all hydraulic equipments operating in extreme temperature conditions.
GulfSea Hydraulic HVI Plus 22	22	-	0.857	0.854	22.5	4.9	-42	192	
GulfSea Hydraulic HVI Plus 32	32	-	0.861	0.858	32.2	6.2	-39	219	
GulfSea Hydraulic HVI Plus 46	46	-	0.855	0.852	46.9	8.1	-33	222	
GulfSea Hydraulic HVI Plus 68	68	-	0.858	0.855	68.9	10.9	-30	232	
GulfSea Hydraulic HVI Plus 100	100	-	0.861	0.858	98.6	13.4	-27	242	
GulfSea Hydraulic HVI Plus 150	150	-	0.862	0.859	147.2	19.5	-30	248	

TRANSMISSION & GEAR OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
			15°C	20°C	40°C	100°C			
GulfSea ATF III	-	-	0.827	0.825	41.0	7.9	-40	184	High Performance Automatic Transmission Fluid.
GulfSea UTTO 80W	80W	-	0.886	0.883	58.0	9.6	-39	204	High Performance Universal Tractor Transmission Fluid.
GulfSea Gear B 80W-90	80W-90	-	0.891	0.888	149.6	15.0	-30	210	High Performance Gear Lubricant for use in heavy duty manual transmissions and axle drives of commercial vehicles and passenger cars.

ENGINE OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
			15°C	20°C	40°C	100°C			
GulfSea Power MX 15W-40	15W-40	10	0.875	0.872	115.6	15.2	-39	236	Premium Quality Marine Engine Oil
GulfSea Powerfleet 10W-30	10W-30	12.1	0.857	0.854	71.9	11.1	-36	212	Multigrade Marine Oil specially formulated for highly turbocharged diesel engines
GulfSea Powerfleet Plus 10W-40	10W-40	11	0.880	0.877	99.9	14.5	-30	225	
GulfSea Power MX Plus 15W-40	15W-40	9.0	0.877	0.874	118.0	15.2	-42	228	Superior Quality Marine Engine Oil
GulfSea Diesel DD 30	30	7.4	0.890	0.887	99.3	11.2	-15	236	Premium Quality Monograde Engine Oil developed for high output, high speed two-cycle marine diesel engines.
GulfSea Diesel DD 40	40	7.4	0.890	0.887	143.4	14.2	-12	242	
GulfSea Diesel GD40	40	13.3	0.901	0.898	154.1	15.0	-18	246	Zinc-free Oil specially designed for railroad diesel locomotive engines.

Note: The reference density for volume conversion for invoicing purposes is 15°C for bulk deliveries and 20°C for all packed deliveries.

GULF OIL MARINE LUBRICANTS TYPICAL VALUES

ENGINE OILS (CONTINUED)									
LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
GulfSea Diesel GE40	40	13.2	0.889	0.886	154.2	15.1	-18	246	High Performance, Zinc-free and Chlorine-free Oil specially designed to provide excellent engine cleanliness and oil filter life in the modern railroad diesel locomotive engines.
GulfSea Diesel GF40	40	17.3	0.903	0.887	149.6	15.0	-18	246	
GulfSea Excel MX	15W-40	9.8	0.898	0.895	109.9	14.5	-27	215	High Performance Diesel Engine Oil for use in turbocharged and naturally aspirated diesel engines operating under severe conditions.
GulfSea Motor S	10W-40	7.9	0.872	0.869	98.7	14.5	-33	234	High Performance Semi-synthetic Marine Engine Oil designed to provide optimum performance in high-output, multi value, turbocharged & supercharged gasoline and diesel engines marine applications.
GulfSea Outboard 3	-	3.4	0.867	0.864	45.6	7.5	-33	96	High Performance, Ashless, 2-Cycle Engine Oil developed to meet the most critical requirements of modern water cooled outboard engines.

SYNTHETIC AIR COMPRESSOR OILS									
LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
GulfSea Synth Compressor Oil 46	46	-	0.840	0.837	46.0	7.6	<-40	195	Marine Synthetic Compressor Lubricant specially formulated for turbochargers and compressors which extreme anti-oxidation properties.
GulfSea Synth Compressor Oil 68	68	-	0.850	0.847	68.0	10.2	<-40	195	
GulfSea DE Compressor Oil 68	68	-	0.955	0.952	67.5	7.6	-33	262	Marine Synthetic Air Compressor Oil with synthetic ester based fluid specially formulated for reciprocating air compressors, heavy duty turbochargers and vacuum pumps in extreme high temperature conditions and anti-corrosive properties.
GulfSea DE Compressor Oil 100	100	-	0.962	0.957	95.5	10.1	-35	274	
GulfSea Synth LPG Compressor Oil	150	-	1.065	1.052	150.0	27.4	-46	293	Marine Synthetic Compressor Lubricant specially formulated for hydrocarbon and natural gas compressors.

SYNTHETIC GEAR OILS									
LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
GulfSea Synth Gear Oil 220	220	-	0.860	0.857	220.1	26.2	-36	237	Marine Synthetic Gear Oil specially formulated for all types of gears and bearings with higher oxidation resistance, hydrolysis resistance and anti-rusting properties.
GulfSea Synth Gear Oil 320	320	-	0.862	0.859	313.8	34.6	-30	233	
GulfSea Synth Gear Oil PG 220	220	-	1.001	0.998	220.0	27.5	-25	260	Marine Synthetic Gear Oil particularly suitable for all types of gears and bearings at high temperatures and heavy shock loads.

SYNTHETIC REFRIGERATING OILS									
LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
GulfSea AB Cooloil 55	-	-	0.870	0.866	47.0	N/A	-45	185	Marine Synthetic Reciprocating Air Compressor & Refrigeration Compressor Oil specially formulated for extreme thermal conditions and for refrigerants R22, R114 or similar.
GulfSea AB Cooloil 100	100	-	0.860	0.856	85-100	N/A	<-30	>185	

Note: The reference density for volume conversion for invoicing purposes is 15°C for bulk deliveries and 20°C for all packed deliveries.

GULF OIL MARINE LUBRICANTS TYPICAL VALUES

SYNTHETIC REFRIGERATING OILS (CONTINUED)

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l) 15°C	20°C	VISCOSITY (mm ² /s) 40°C	100°C	POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
GulfSea PE Cooil 32	32	-	0.984	0.980	31.6	5.6	<-40	>240	Marine Synthetic Polyolester Oil specially formulated for refrigerating compressors using HFC refrigerants.
GulfSea PE Cooil 46	46	-	0.973	0.969	47.1	7.9	<-40	>240	
GulfSea PE Cooil 68	68	-	0.968	0.964	64.9	8.3	<-40	>240	
GulfSea PE Cooil 100	100	-	0.968	0.964	95.7	10.6	-34	>240	
GulfSea PE Cooil 150	150	-	0.967	0.963	146.1	13.9	-28	>240	
GulfSea PE Cooil 220	220	-	0.964	0.960	221.3	18.0	-28	>240	

GREASES

LUBRICANTS	NLGI GRADE	THICKENER	TEMPERATURE RANGE (°C)	DROP POINT (°C)	WORKED PENETRATION AT 25°C	APPLICATION
GulfSea Hyperbar Super CS	0/1	Calcium Sulfonate Complex	-25 - 150	260	330-360	Marine Extreme Pressure, Water Resistant, High Temperature Calcium Sulfonate Complex Grease specially formulated for wire ropes and open gears.
GulfSea Hyperbar CS 2	2	Calcium Sulfonate Complex	-25 - 180	305	265-295	Marine Extreme Pressure, Water Resistant, High Temperature Calcium Sulfonate Complex Grease specially formulated for onboard multi-purpose use.
GulfSea Hyperbar LCM 2	2	Lithium/Calcium	-25 - 130	190	265-295	Marine Extreme Pressure, Long Life Lithium/Calcium Grease with Molybdenum disulfide specially formulated for general machinery or bearings which under heavy pressure and require excellent protection against rust and corrosion.

ENVIRONMENTALLY ACCEPTABLE LUBRICANTS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l) 15°C	VISCOSITY (mm ² /s) 40°C	POUR POINT (°C)	FLASH POINT COC (°C)	APPLICATION
GulfSea BD Hydraulic Oil 32	32	-	0.92	32	<-48	>180	GulfSea BD Hydraulic Oils are a range of VGP compliant, biodegradable, high performance hydraulic fluids. Ester based, these fluids are zinc free and exhibit high antiwear performance.
GulfSea BD Hydraulic Oil 46	46	-	0.89	46	<-35	>180	
GulfSea BD Hydraulic Oil 68	68	-	0.90	68	<-35	>180	
GulfSea BD Hydraulic Oil 100	100	-	0.91	100	<-35	>180	
GulfSea BD Sterntube Oil 68	68	-	0.92	68	<-24	>170	GulfSea BD Sterntube Oils are VGP compliant, biodegradable lubricants developed for use in sterntube applications.
GulfSea BD Sterntube Oil 100	100	-	0.92	100	<-24	>170	
GulfSea BD Sterntube Oil 220	220	-	0.93	220	<-12	>170	
GulfSea BD Gear Oil 68	68	-	0.91	68	<-30	>200	GulfSea BD Gear Oils are high performance EP biodegradable gear oils. They exhibit high anti-wear and micro-pitting properties.
GulfSea BD Gear Oil 100	100	-	0.92	100	<-30	>200	
GulfSea BD Gear Oil 150	150	-	0.92	150	<-30	>200	

LUBRICANTS	NLGI GRADE	THICKENER	TEMPERATURE RANGE (°C)	DROP POINT (°C)	WORKED PENETRATION AT 25°C	APPLICATION
GulfSea BD EP2 Grease	2	Lithium/Calcium	-25 - 125	178	265-295	GulfSea BD EP2 Grease is a VGP compliant, biodegradable EP2 Lithium/Calcium grease. It exhibits high load carrying properties and can be used wherever an NLGI 2 grease is required.

Note: The reference density for volume conversion for invoicing purposes is 15°C for bulk deliveries and 20°C for all packed deliveries.



Gulf Oil Marine Ltd.
13/F, Fortis Tower
77- 79 Gloucester Road
Wan Chai, Hong Kong

Tel: +852 3693 0568
Fax: +852 3748 9960
operation.hk@gulf-marine.com
www.gulf-marine.com