



Gulf
Marine

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MAIN LUBRICANTS

GULF OIL MARINE LUBRICANTS TYPICAL VALUES

CYLINDER OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPROVED BY MAJOR ENGINE MANUFACTURERS	APPLICATION
15°C	20°C	40°C	100°C							
GulfSea Cylcare DCA 5040H	50	40	0.9160	0.913	217.0	19.9	-18	274	Yes	Marine Cylinder Oil is formulated for low sulphur residual fuel blends and distillates.
GulfSea Cylcare EHP 5055	50	55	0.9260	0.916	217.7	19.7	-18	274	Yes	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	0.9340	0.931	215.1	19.9	-18	266	Yes	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	203.6	19.4	-12	268	Yes	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	195.3	19.3	-9	266	Yes	
GulfSea Cylcare 50140	50	140	0.970	0.967	186.6	19.7	-9	236	Yes	Ultra High BN Marine Cylinder Oil specially designed for coping with high operational demands and optimising cylinder oil feed rates in latest range of modern Low Speed 2-stroke Marine Diesel Engines using High Sulphur Heavy Fuel Oil (HFO).
GulfSea Cylcare ECA 50	50	>15	0.902	0.899	200.8	19.0	-18	270	Yes	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).

SYSTEM OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	APPROVED BY MAJOR ENGINE MANUFACTURERS	APPLICATION
15°C	20°C	40°C	100°C							
GulfSea SuperBear 3006	30	6	0.893	0.890	99.4	11.1	-18	220	Yes	Low Speed 2 Stoke Engine System Oil specifically designed for modern Marine Propulsion Engines operating on Heavy Fuel Oil (HFO).



MAIN LUBRICANTS

GULF OIL MARINE LUBRICANTS TYPICAL VALUES

SYSTEM OILS

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)	APPROVED BY MAJOR ENGINE MANUFACTURERS	APPLICATION
GulfSea Power 3030	30	30	0.8990.896	94.9 11.1	-18	>215	Yes	Marine Trunk Piston Engine Oil specially designed for modern Medium Speed 4-stroke Marine Engines running Heavy Fuel Oil (HFO). Meets API CF performance requirements.
GulfSea Power 3040	30	40	0.9050.902	93.5 11.1	-18	>215	Yes	
GulfSea Power 3055	30	55	0.9130.910	91.5 11.1	-18	>215	Yes	
GulfSea Power 4030	40	30	0.9050.902	143.2 14.5	-18	>215	Yes	
GulfSea Power 4040	40	40	0.9100.907	141.9 14.5	-18	>215	Yes	
GulfSea Power 4055	40	55	0.9180.915	137.3 14.5	-18	>215	Yes	

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

TRUNK PISTON ENGINE 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)	APPROVED BY MAJOR ENGINE MANUFACTURERS	APPLICATION
GulfSea Power MDO 3012	30	12	0.8890.886	95.3 10.9	-18	>215	Yes	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). Meets API CF performance requirements.
GulfSea Power MDO 3015	30	15	0.8910.888	97.8 11.1	-18	>215	Yes	
GulfSea Power MDO 3020	30	20	0.8940.891	97.0 11.1	-18	>215	Yes	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). Meets API CF performance requirements.
GulfSea Power MDO 4012	40	12	0.8960.893	145.9 14.5	-18	>215	Yes	
GulfSea Power MDO 4015	40	15	0.8970.894	143.0 14.3	-18	>215	Yes	
GulfSea Power MDO 4020	40	20	0.9000.897	145.9 14.5	-18	>215	Yes	

AUXILIARY LUBRICANTS

GULF OIL MARINE LUBRICANTS TYPICAL VALUES

ENGINE OILS

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)	MEET THE SPECIFICATION(S)	APPLICATION
GulfSea Power MX 15W-40	15W-40	10.0	0.875 0.872	115.6 15.2	-39	236	API CI-4, MTU Type 2, Caterpillar ECF-1a and ECF-2	Premium Quality Marine Engine Oil.



AUXILIARY LUBRICANTS

GULF OIL MARINE LUBRICANTS TYPICAL VALUES

ENGINE OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	APPLICATION
15°C	20°C	40°C	100°C							
GulfSea Powerfleet 10W-30	10W-30	10.3	0.873	0.870	78.5	11.8	-36	212	API CI-4, Caterpillar ECF-1a, Cummins CES 20077, 20078, MTU Type 2	Multigrade Marine Oil specially formulated for highly turbo-charged diesel engines.
GulfSea Powerfleet Plus 10W-40	10W-40	10.6	0.887	0.884	95.8	14.4	-39	228	API CI-4, ACEA E7, Cummins 20077, 20078, MTU Type 2, Caterpillar ECF-1a	
GulfSea Power MX Plus 15W-40	15W-40	9.0	0.877	0.874	118.0	15.2	-42	228	API CJ-4, MTU Type 2.1, Caterpillar ECF-1a, ECF-2 and ECF-3	Superior Quality Marine Engine Oil.
GulfSea Diesel DD 30	30	7.4	0.890	0.887	99.3	11.2	-15	236	API CF/CF-2	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 GE40	40	13.2	0.889	0.886	154.2	15.1	-18	246	API CF/CF-2, LMOA Generation 5, EMD of General Motors, GE as Generation 4 Long Life Oils	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		
The listed products are subject to availability and/or change without notice.										
GulfSea Outboard 3	-	3.4	0.867	0.864	45.6	7.5	-33	96	NMMA TC-W3	High Performance Ashless, 2-Cycle Engine Oil developed to meet the most critical requirements of modern water cooled outboard engines.

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

HYDRAULIC OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	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	DIN 51524 Part 3 HVLP, ASTM D 6158 (HV), ISO 11158 HV, Eaton E-FDGN-TB002-E, GB 11118.1-2011 (L-HV), SAE MS 1004 (HV)	
GulfSea Hydraulic HVI Plus 22	22	-	0.857	0.854	22.5	4.9	-42	192		



HYDRAULIC OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	APPLICATION
			15°C	20°C	40°C	100°C				
GulfSea Hydraulic HVI Plus 32	32	-	0.861	0.858	32.2	6.2	-39	219	DIN 51524 Part 3 HVLP, ASTM D 6158 (HV), ISO 11158 HV, Eaton E-FDGN-TB002-E, GB 11118.1-2011 (L-HV), SAE MS 1004 (HV), Parker (formerly Denison) HF-0, HF-1, HF-2, Bosch Rexroth RDE 90235, JCMAS P041 HK, Fives CINCINNATI	Marine Anti-wear Hydraulic Oil specially formulated for lubrication of all hydraulic equipment operating in extreme temperature conditions.
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	DIN 51524 Part 3 HVLP, ASTM D 6158 (HV), ISO11158 HV, Eaton E-FDGN-TB002-E, GB 11118.1-2011 (L-HV)	

EAL HYDRAULIC OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l) 15°C	VISCOSITY (mm ² /s) 40°C	POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	APPLICATION
GulfSea BD Hydraulic Oil 32	32	-	0.875	32	-51	>175	ISO 15380	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 anti-wear performance.
GulfSea BD Hydraulic Oil 46	46	-	0.882	46	-48	>185		
GulfSea BD Hydraulic Oil 68	68	-	0.886	68	-48	>195		
GulfSea BD Hydraulic Oil 100	100	-	0.890	100	-48	>205		

EAL STERNTUBE OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l) 15°C	VISCOSITY (mm ² /s) 40°C	POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	APPLICATION
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		

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



GEAR OILS

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)	MEET THE SPECIFICATION(S)	APPLICATION
GulfSea Gear Oil 68	68	-	0.884	0.881	68.2	8.7	-15	224	DIN 51517 Part 3, ISO 12925-1 Type CKC, AGMA 9005 E-02, David Brown S1.53 101(E) and AIST (US Steel) 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		

SYNTHETIC GEAR OILS

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)	MEET THE SPECIFICATION(S)	APPLICATION
GulfSea Synth Gear Oil 150	150	-	0.851	0.848	150.5	20.2	-39	272	AIST (US Steel) 224, AGMA 9005-E02, DIN 51517 Part 3, ISO 6743-6 Category CKD, Cincinnati Milacron, David Brown	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 220	220	-	0.846	0.843	217.6	26.9	-39	290		
GulfSea Synth Gear Oil 320	320	-	0.848	0.845	320.8	36.4	-36	294		
GulfSea Synth Gear Oil PG 220	220	-	1.001	0.998	234.0	38	-32	260	AGMA 9005-E02, DIN 51517 Part 3, CLP, David Brown, AIST (US Steel) 224	Marine Synthetic Gear Oil particularly suitable for all types of gears and bearings at high temperatures and heavy shock loads.

EAL GEAR OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l) 15°C	VISCOSITY (mm ² /s) 40°C	POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	APPLICATION
GulfSea BD Gear Oil 68	68	-	0.91	68	<-30	>200	DIN 51517-3 CLP, ISO 12925-1CKD	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	-	0.93	150	<-30	>200		

GREASES

LUBRICANTS	NLGI GRADE	THICKENER	TEMPERATURE RANGE (°C)	DROP POINT (°C)	WORKED PENETRATION AT 25°C	MEET THE SPECIFICATION(S)	APPLICATION
GulfSea Hyperbar Super CS	0/1	Calcium Sulfonate Complex	-25 - 150	260	330-360	DIN 51502 OGPON-20, ISO 6743-9 L-XBDIBO	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	ISO 6743-9 L-XBFB2, DIN 51502 KP2R-25	Marine Extreme Pressure, Water Resistant, High Temperature Calcium Sulfonate Complex Grease specially formulated for onboard multi-purpose use.



GREASES

LUBRICANTS	NLGI GRADE	THICKENER	TEMPERATURE RANGE (°C)	DROP POINT (°C)	WORKED PENETRATION AT 25°C	MEET THE SPECIFICATION(S)	APPLICATION
GulfSea Hyperbar LC 3	3	Lithium Complex	-30 - 160	287	220-250	ISO 6743/9 L-XCEEB3, DIN 51825 KP3P-30	Marine High Temperature, High Speed Lithium Complex Grease specially formulated for electric motor bearings.
GulfSea Hyperbar LCM 2	2	Lithium/ Calcium	-25 - 130	190	265-295	ISO 6743-9 L-XBCEB2, DIN 51502 MPF2K-25	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.

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

EAL GREASES

LUBRICANTS	NLGI GRADE	THICKENER	TEMPERATURE RANGE (°C)	DROP POINT (°C)	WORKED PENETRATION AT 25°C	MEET THE SPECIFICATION(S)	APPLICATION
GulfSea BD EP0 Grease	0	Lithium/ Calcium	-25 - 140	>170	355-385	DIN 51502 KPE0N-25	A Marine Biodegradable Grease specially formulated for use in sensitive marine environments which demand a NLGI 0 grease.
GulfSea BD EP2 Grease	2	Lithium/ Calcium	-25 - 125	>175	265-295	DIN 51502 KPE2K-25	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.

REFRIGERATING OIL

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l) 15°C	DENSITY (kg/l) 20°C	VISCOSITY (mm ² /s) 40°C	VISCOSITY (mm ² /s) 100°C	POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	APPLICATION
GulfSea N Cooloil 68	68	-	0.9160	0.914	61.4	6.55	-36	185	DIN 51503 KAA, KC and KE	Marine Refrigerating Oil specially formulated for all types of refrigerating compressors using refrigerants like HCFC, ammonia and CO2.

SYNTHETIC REFRIGERATING OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l) 15°C	DENSITY (kg/l) 20°C	VISCOSITY (mm ² /s) 40°C	VISCOSITY (mm ² /s) 100°C	POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	APPLICATION
GulfSea AB Cooloil 55	-	-	0.87	0.866	53.0	6.2	-45	185	DIN 51503 KC	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	-	0.87	0.866	95.0	9.4	-45	205		



SYNTHETIC REFRIGERATING OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	APPLICATION
			15°C	20°C	40°C	100°C				
GulfSea PE Cooloil 32	32	-	0.984	0.980	32.0	5.6	-55	>240	DIN 51503 KD	Marine Synthetic Polyolester Oil specially formulated for refrigerating compressors using HFC refrigerants.
GulfSea PE Cooloil 46	46	-	0.974	0.969	46.1	6.9	-47	>240		
GulfSea PE Cooloil 68	68	-	0.966	0.964	65.0	8.3	-40	>240		
GulfSea PE Cooloil 100	100	-	0.966	0.964	100.0	10.9	-35	>240		
GulfSea PE Cooloil 170	170	-	0.969	0.965	167.8	15.3	-31	>240		
GulfSea PE Cooloil 220	220	-	0.966	0.960	217.0	17.9	-30	>240		

COMPRESSOR OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	APPLICATION
			15°C	20°C	40°C	100°C				
GulfSea Compressor Oil 100	100	-	0.861	0.858	99.8	11.5	-12	228	DIN 51506 VDL, ISO 6743-3:2003 DAA Normal Duty	Marine Air Compressor Oil specially formulated for all rotary/reciprocating air compressors.
GulfSea Compressor Oil 150	150	-	0.887	0.884	154.8	15.01	-9	274		

SYNTHETIC AIR COMPRESSOR OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	APPLICATION
			15°C	20°C	40°C	100°C				
GulfSea Synth Compressor Oil 46	46	-	0.833	0.831	44.1	7.8	-42	270	ISO 6743-3 ISO-L-DAJ	Marine Synthetic Compressor Lubricant specially formulated for turbochargers and compressors which extreme anti-oxidation properties.
GulfSea Synth Compressor Oil 68	68	-	0.836	0.833	64.9	10.4	-42	270		
GulfSea DE Compressor Oil 100	100	-	0.959	0.956	93.5	9.16	-34	262	DIN 51506 VDL	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 150	150	-	0.956	0.952	152	12.62	-33	290		
GulfSea Synth LPG Compressor Oil	150	-	1.050	1.046	161.3	29.9	-37	248	ISO 6743-3B DGC & DGE	Marine Synthetic Compressor Lubricant specially formulated for hydrocarbon and natural gas compressors.

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



TURBINE OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	APPLICATION
GulfSea Turbine Oil 32	32	-	0.852	0.849	32.2	5.5	-24	212	ASTM D 4304, BS 489, DIN 51515 Part 1 (TD) and Part 2 (TG), Siemens TLV 9013-04, SOLAR ES 9-224W Class II	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	ASTM D 4304, BS 489	
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

TRANSMISSION & GEAR OILS

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	APPLICATION
GulfSea ATF III	-	-	0.827	0.825	41.0	7.9	-40	184	General Motors Dexron III G*	High Performance Automatic Transmission Fluid.
GulfSea UTTO 80W	80W	-	0.886	0.883	58.0	9.6	-39	204	API GL-4, Eaton Vickers 35VQ25, ALLISON C-4, Caterpillar TO-2, Massey Fergusson M1135, M1145, M1143, John Deere J 20C	High Performance Universal Tractor Transmission Fluid.®
GulfSea Gear B 80W-90	80W-90	-	0.891	0.888	149.6	15.0	-30	210	API GL-5, MIL-L-2105D, ZF TE-ML-05A, 16B, 17B, 19B, 21A	High Performance Gear Lubricant for use in heavy duty manual transmissions and axle drives of commercial vehicles and passenger cars.

HEAT TRANSFER OIL

LUBRICANTS	SAE or ISO	BN	DENSITY (kg/l)		VISCOSITY (mm ² /s)		POUR POINT (°C)	FLASH POINT COC (°C)	MEET THE SPECIFICATION(S)	APPLICATION
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.

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





Gulf Oil Marine

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.



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