

# TECHNICAL DATA SHEET

# PROMARINE SERIES



## DESCRIPTION

ProMarine Series – a range of premium quality marine crankcase lubricants produced from high quality mineral oils and special additives for high output, medium-speed trunk piston engines. ProMarine Series exhibits outstanding oxidation and thermal stability, and has also been used as cylinder and bearing lubricants in marine and industrial diesel engines operating on distillate or residual fuels. These oils containing relatively low ash additives, imparts high level of dispersancy, detergency and anti-wear properties. Good demulsibility characteristics ensure ready separation of water from oil in the event of accidental introduction of water into the engines. ProMarine Series Lubricants are available in two viscosity grades (SAE 30 and 40) and in various BN (Base Number) values ranging from 12 to 40. They have excellent TBN retention and resistance to viscosity increases over long operating periods. The ProMarine 330, 340, 430 and 440 grades may also be used in engines operating on residue fuel oil of up to 4.5% sulphur.

## SUMMARY OF BENEFITS

- All round protection
- Lower carbon deposits
- Excellent TBN retention
- Reliability and durability
- Reduce wear to engine parts
- Improved thermal and oxidation stability
- Superior demulsibility and detergent-dispersant characteristics
- Outstanding water rejection performance in centrifuges

GW PROMARINE SERIES	TEST METHOD	TYPICAL CHARACTERISTICS							
		3012	3015	3030	3040	4012	4015	4030	4040
-	-	3012	3015	3030	3040	4012	4015	4030	4040
Kinematic Viscosity, cSt									
@40°C	ASTM D445	104.8	103.5	106.9	110.7	147.0	146.2	148.9	151.8
@100°C	ASTM D445	11.6	11.5	11.8	12.0	14.5	14.4	14.6	14.8
VISCOSITY INDEX	ASTM D2270	98	98	98	97	97	96	96	96
Density, kg/litre @ 15°C	ASTM D4052	0.890	0.892	0.890	0.895	0.891	0.892	0.896	0.898
Sulphated Ash, % wt	ASTM D874	1.67	2.07	4.04	5.39	1.67	2.07	4.04	5.39
Flash Point COC, °C	ASTM D92	230	232	238	244	232	240	240	248
Pour Point, °C	ASTM D97	-18	-18	-15	-15	-15	-15	-15	-15
TBN, mg KOH/g	ASTM D2896	12	15	30	40	12	15	30	40

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.*

## RECOMMENDATIONS

- MAY BE USED IN THE GENERAL LUBRICATION OF SHIPBOARD EQUIPMENT WHERE SPECIALIST LUBRICANTS ARE NOT REQUIRED, INCLUDING CERTAIN ENCLOSED GEARS, SHAFT BEARINGS, ETC.
- PROMARINE 3012, PROMARINE 4012, PROMARINE 3015 AND PROMARINE 4015 ARE GENERALLY RECOMMENDED FOR USE ON 4-STROKE ENGINES RUNNING ON DISTILLATE FUEL WITH SULPHUR CONTENT OF UP TO 1.5%
- PROMARINE 3030, PROMARINE 3040, PROMARINE 4030 AND PROMARINE 4040 ARE USED IN THE MAIN PROPULSION AND AUXILIARY ENGINES OF DEEP-SEA VESSELS, COASTAL AND RIVER SHIPS, AND STATIONARY POWER PLANTS THAT ARE RUNNING ON RESIDUAL FUELS OF UP TO 3.5%

## STORAGE INSTRUCTIONS & HEALTH, SAFETY AND ENVIRONMENT INFORMATION

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C. Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.

July 2023

## GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (AUST) PTY LTD

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