

SHELL MORLINA S 30

MULTI-FUNCTIONAL LUBRICANT FOR LOW SPEED MARINE DIESEL ENGINES

DESIGNED TO MEET CHALLENGES

Shell Morlina S 30 is a high performance multifunctional low speed diesel engine lubricant based on a blend of highly refined high viscosity index mineral oils and a balanced selection of additives. It is designed to provide the highest levels of machinery protection in highly rated low speed marine engines, but being multi-functional, can also be used in many different items of marine equipment and used to rationalise the number of grades of lubricant carried on board ship.

PERFORMANCE FEATURES

ENGINE OPERATION AND RELIABILITY

- n Shell Morlina S 30 effectively neutralises the highly corrosive combustion acids which can contaminate the main system when cylinder oil drains leak past piston rod glands.
- n Good resistance to corrosion results in protection of metal surfaces from corrosion.
- n Good detergency keeps crankcases and under piston spaces clean and helps optimise efficiency.
- n Good air release and antifoam properties mean that air is released from the oil without foaming.

CONTROL MAINTENANCE COSTS

- n Good oxidation stability combats thermal degradation of the oil and helps extend its useful life.
- n Good water shedding properties mean that water can be easily removed by centrifuge.
- n Extreme pressure properties make the oil suitable to many gear oil applications.

APPLICATIONS

- n Low speed marine diesel engine crankcase and piston cooling systems.
- n Turbochargers, geared transmissions, oil lubricated stern tubes and deck machinery.
- n All ancillary equipment requiring an SAE 30 oil.

SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS

RECOMMENDED FOR USE IN:

- n Low speed diesel engines.

TYPICAL PHYSICAL CHARACTERISTICS

CHARACTERISTICS	30
Kinematic Viscosity (IP 71) @ 40°C mm ² /s	104
@ 100°C mm ² /s	11.6
Viscosity Index (IP 226)	102
Density @ 15°C kg/m ³ (IP 365)	888
Flash Point °C (PMCC) (IP 34)	227
Pour Point °C (IP 15)	-18
Total Base Number mg KOH/g (IP 276)	5
Sulphated Ash % wt (IP 276)	0.62
Load Carrying Capacity (FZG) Fail Stage	11

Shell Morlina S 30 is NOT recommended for trunk-piston engines and in these cases Shell Morlina 30 should be used.