

SHELL GADINIA AL

ADVANCED LUBRICANT FOR MEDIUM SPEED TRUNK-PISTON ENGINES RUNNING ON DISTILLATE FUEL

DESIGNED TO MEET CHALLENGES

Shell Gadinia AL is a premium quality marine diesel engine oil designed for use in medium-speed trunk piston engines, which operate on distillate fuels. Shell Gadinia AL is specially designed to control oil consumption in modern engines, where liner lacquering is a potential problem. Being multi-functional Shell Gadinia AL can also be used for other shipboard applications such as reduction gears.

PERFORMANCE FEATURES

ENGINE RELIABILITY

- n Excellent piston and crankcase cleanliness, which helps to maintain engine efficiency.
- n Load carrying properties required for use in reduction gears.

CONTROL MAINTENANCE COSTS

- n Excellent liner lacquer control that maintains lubricating oil consumption at its normal level.
- n A high level of protection against bore polishing – another cause of high oil consumption.

RE-ASSURANCE

- n Protection for engines where cylinder liner lacquering is likely to occur.

APPLICATIONS

- n Highly rated medium speed diesel engines operating under high load or overload conditions.
- n General ship application, including gears, where specialist lubricants are not required.

SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS

MEETS THE ENGINE TEST CRITERIA FOR:

- n API CF.

RECOMMENDED FOR USE IN:

- n Rolls-Royce and Bergen
- n Deutz AG
- n MAN B&W Diesel AG
- n Simplex (Compact Sterntube Seals).

TYPICAL PHYSICAL CHARACTERISTICS

CHARACTERISTICS	40
Kinematic Viscosity (ASTM D 445, IP 71) @ 40°C mm ² /s	140
@ 100°C mm ² /s	14.3
Load Carrying Capacity (FZG) Fail Stage (IP 334)	12
Density @ 15°C kg/L (ASTM D 4052, IP 365)	0.900
Flash Point (Closed Cup) °C (ASTM D 92, IP 36)	>200
Pour Point °C (ASTM D 97, IP 15)	-18
Total Base Number mg KOH/g (ASTM D 2896, IP 276)	15
Sulphated Ash % wt (ASTM D 874, IP 163)	1.65