

Mobilgard™ ADL Series

Heavy-duty, high-performance monograde engine lubricants



Energy lives here™

Product features

Mobilgard™ ADL Series is a high-performance family of increased-dispersancy engine oils, designed for high Brake Mean Effective Pressure (BMEP) medium- and high-speed diesel engines operating on distillate and marine diesel oil fuels. They can offer:

- Protection against high-temperature deposits and ring sticking
- Controlled viscosity and minimised wear
- Oil life beyond engine builder-recommended oil drain intervals
- Excellent soot-handling capabilities

Mobilgard ADL Series oils demonstrated superior performance in a range of the latest diesel engines including MAN B&W Alpha, Caterpillar (3600 Series), Deutz and Wärtsilä models.

Potential benefits

Mobilgard ADL Series oils can help:

- 1 Reduce lacquering and oil consumption
- 2 Keep engines cleaner compared to next leading competitor oil
- 3 Provide excellent resistance to sludge buildup
- 4 Lower operational and maintenance costs

Excellent protection

Compared to the next leading competitor oil, Mobilgard ADL Series oils provide outstanding protection against oil thickening, high-temperature deposits, sludge buildup and oil degradation. They offer long oil life and protection against ring sticking.

Recommended applications	
Intercooled, turbocharged engines operating under severe conditions (including main engines)	✓
Harbour craft and high-speed ferries	✓
Diesel-powered equipment, such as deck generators	✓

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Outstanding engine life

Mobilgard™ ADL Series high-performance engine oils can provide:

- Excellent soot-handling capabilities, which maintain viscosity control and minimise wear — this can potentially curb energy consumption while enhancing system responsiveness
- Exceptional wear protection, which can control maintenance costs while helping toward longer engine life

Approvals	
MAN 270	✓
MTU Oil Category 2	✓
ZF TE ML 04B	✓

Advanced formulation

Mobilgard ADL Series oils are formulated from advanced technology base oils and a balanced additive system, which provide exceptional performance in both modern and older-model diesel engines. The oils provide resistance to lacquer formation on cylinder liners.



Typical properties

Mobilgard ADL Series	30	40
SAE Grade	30	40
Viscosity, ASTM D 445		
cSt, at 40°C	90	132
cSt, at 100°C	11.5	14.7
Viscosity Index, ASTM D 2270	117	112
Sulphated Ash, wt%, ASTM D 874	1.4	1.4
Total Base #, mg KOH/g, ASTM D 2896	12	12
Pour Point, °C, ASTM D 97	-30	-21
Flash Point, °C, ASTM D 92	250	256
Density @ 15°C kg/l, ASTM D 4052	0.89	0.89

In extensive field testing, Mobilgard ADL Series oils corrected many problems normally associated with severe-service engines operating on lower-quality fuels.