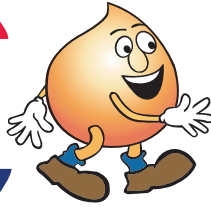




OCOMA
Premium Oils & Lubricants



The
Oilman Group
PTY LTD

Product Data Sheet

Masterlube 990 15w/40 CK-4/SN

Product Description

Masterlube 990 is the latest heavy duty diesel engine oil, conforming to the requirements of PC-11 engine oil technology. It has been designed to deliver longer oil life, furthering fuel economy and increasing service intervals even under severe operating conditions.

Advancements in diesel engines have led to lower emissions from heavy duty applications, resulting in higher expectations of oils to adapt to increased pressures and temperatures within the engines. **Masterlube 990** is specifically formulated with high shear stability and anti-oxidation additives

Specifications and Approvals



Masterlube 990 is proudly approved by the American Petroleum Institute Under the Engine Oil Licensing and Certification System.

The Oilman Group - API License 3061

Masterlube 990 meets or exceeds the following specifications:

- API CK-4/SN, CJ-4/CI-4+/CI-4
- ACEA E9/E7
- Allison TES 439
- Caterpillar ECF-3
- Cummins CES 20086 / 20081
- Detroit Diesel 93K222 / 93K218
- Deutz DQC III-10 LA
- ISUZU DPD / DPF Equipped
- JASO DH-2
- Mack EOS-4.5 / EO-O Premium Plus
- MAN M 3775 Quality, 3575
- MB-Approval 228.31
- MTU Category 2.1
- Renault RLD-4 / RLD-3
- Volvo VDS-4.5 / VDS-4

Detroit Diesel do not endorse multigrade engine oils in their two stroke engines.

Applications and Benefits

- Latest 15w40 Diesel Engine Oil Specification
- Designed to keep DOC, DPF, EGR running at peak efficiency
- Excellent oil consumption control

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Applications and Benefits (continued...)

Masterlube 990 is suited for use in turbocharged or naturally aspirated Diesel, Petrol (leaded and unleaded fuel), as well as LPG, CNG engines. Designed for cars, light commercials, trucks, earthmoving equipment and off-highway use where engines are run under the most extreme conditions.

Specifically formulated to protect exhaust after treatment devices such as Diesel Oxidation Catalysts (DOC), Diesel Particulate Filters (DPF) and Exhaust Gas Recycling (EGR) whilst keeping them running at peak efficiency. Advanced additive technology provides the oxidation resistance necessary to prolong lubricant life, prevent oil thickening and combat the effect of acidic attack from nitrous oxides that damage soft metal bearing materials.

This ultra high performance diesel engine oil helps to extend engine life in even the most severe on and off-highway applications whilst still delivering maximum performance in modern, low emission engines including those with Exhaust Gas Recycling (EGR) and after treatment systems such as Diesel Oxidation Catalysts (DOC) and Diesel Particulate Filters (DPF)

Package Information

1,000L IBC, 200 Litres, 20 Litres

Typical Characteristics

Density at 15°C	0.875
Kinematic Viscosity at 40°C, mm ² /s (cSt)	122.5
Kinematic Viscosity at 100°C, mm ² /s (cSt)	15.7
Viscosity Index	135
TBN, mgKOH/g	9.9
CCS at -20°C (cP)	6,461
Sulphated Ash wt%	1.0
Pour Point °C	-39
Flash Point °C	220

Typical Characteristics are average values, and may vary due to normal manufacturing tolerances. The information contained herein is subject to change without notice.