



DIESEL HD 15W-40

Premium Mineral Oil

Issue: June 2014

Product Code	Pack Size	Ctn / Qty
DHD005	5 Litre	4
DHD010	10 Litre	1
DHD020	20 Litre	1
DHD060	60 Litre	1
DHD205	205 Litre	1
DHD1000LTR	1000 Litre	1



Description

Diesel HD is a high performance, **heavy duty**, low ash, **OEM Warranty Approved**, SAE 15W-40 premium mineral diesel engine oil designed for use in vehicles with and without Diesel Particulate Filters (DPF). It is made from a combination of hydrocracked base stocks and the latest OEM (Original Equipment Manufacturer) approved additive technology.

Diesel HD exceeds the latest requirements of API CJ-4/SM and the European ACEA E9 and carries many formal OEM approvals.

Application

Diesel HD is designed for use in post 2006, EPA 07 compliant American diesel engines, both naturally aspirated and turbocharged, that meet the newer Australian ADR emissions regulations. It may also be used in Euro IV and Euro V compliant engines. It is also suitable for heavy duty diesel engines fitted with DPFs and/or Selective Catalytic Reduction (SCR) systems that require low ash oils.

Diesel HD exceeds the latest API CJ-4/SM and the European ACEA E9 specifications. API CJ-4 represents an advance in anti-wear technology, therefore older engines that require API CI-4 PLUS or API CH-4 oils (and earlier) can also benefit from this product. These include in 2003-6 low emission US engines with cooled EGR as well as in Caterpillar ACERT engines. Meets and exceeds the European ACEA E9/E7 specification as well as Japanese JASO DH-2.

Diesel HD is an ideal mixed fleet oil and can be used for normal drain intervals in European and Japanese diesel engines and carries many formal OEM approvals. It is ideal for use in high speed and some medium speed, diesel engines used in marine environments as well as for generator sets, agricultural and earthmoving equipment, and may also be used in petrol engines requiring an oil that meets API SL or SM.

Please note: Some trucks and heavy vehicles fitted with DPFs may need to use **Enviro Plus Oils**. Please check Penrite Lube Recommendation Guide for correct lubricant.

Customer Benefits

- **OEM** Approved for warranty service
- **Latest** API & ACEA technical specifications
- **Maximises** DPF life and ideal for low emission engines including Euro IV and V
- Controls oil consumption through use of low volatility hydrocracked base oils
- Advanced formulation offers ideal wear and deposit protection.
- Reduces soot thickening
- Excellent mixed fleet oil.
- Suitable for use in petrol engines requiring API SL or SM.



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Industry Specifications

API CJ-4/SM	ACEA E7/E9	JASO DH-2
Caterpillar ECF-1-a/ECF-2/ECF-3	Allison C-4	MB 228.3
MTU Type 2		

Approvals

MB-Approval 228.31	Cummins CES 20081	Volvo VDS-4
Mack EO-O Premium Plus	Renault RLD-3 Compliant	MAN M 3575
Detroit Diesel DFS 93K218 Conformance		

Typical Data

Density at 15°C, kg/L	0.879
Viscosity, Kinematic, cSt	
at 40°C	121
at 100°C	15.2
Viscosity Index	137
Viscosity, Cold Cranking, cP @ -20 °C	6,353
Phosphorus, mass %	0.115
Zinc, mass %	0.126
Sulphated Ash, Mass %	0.99
Base Number, mg KOH/g	9.6

Information in this sheet is based on recent production. Minor variations to typical properties are expected in normal manufacture and do not affect product performance. An MSDS is available on request.

PENRITE



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