

DETROIT HEAVY DUTY DIESEL ENGINE OIL

Detroit HEAVY DUTY DIESEL ENGINE OIL use the latest “Low-SAPS” additive technology to protect under the most severe conditions found in the latest low emission engines. It delivers significant improvements in wear protection, deposit control and resistance to breakdown under high temperatures.

The exclusive low-ash formulation helps protect the exhaust catalysts and particulate traps found on the latest low emission vehicles. Recommended by a wide range of OEMs, suitable for both the latest low-emissions (GHG17 & Euro VI) and older model equipment.

Applications

• Severe duty heavy duty diesel engines

Detroit HEAVY DUTY DIESEL ENGINE OIL is our highest performance 15W-40 heavy duty diesel engine oil providing outstanding protection for virtually all engines, including the latest Euro 6 & US GHG17 emission engines, while being compatible to older engines in your fleet.

• Off-highway applications

With its enhanced acid control, this oil is suitable for use in agricultural and construction applications, even with high levels of fuel sulphur.

Performance Features and Benefits

• Emissions system compatibility

Advanced low-ash formulation helps control blocking of or poisoning of exhaust after-treatment devices, helping maintain vehicle emission compliance and engine fuel efficiency.

• Lower operating costs

Detroit HEAVY DUTY DIESEL ENGINE OIL is formulated with an enhanced acid-control system to help fleet operators to achieve maximum drain flexibility.

• Outstanding wear protection

Demonstrated over millions of km of customer service, Detroit HEAVY DUTY DIESEL ENGINE OIL provides significantly higher levels of wear protection than previous generation oils to prolong engine efficiency and life.

Specifications, Approvals & Recommendations

- API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, SN
- ACEA E9, E7
- Allison TES 439
- Caterpillar ECF-3, ECF-2
- Cummins CES 20086, 20081
- Detroit Fluids Specification (DFS) 93K222, 93K218
- Deutz DQC 111-10 LA
- MAN M3575
- MB-Approval 228.31
- MTU Category 2.1
- JASO DH-2
- IVECO T2 E7 (Meets specification)
- Volvo VDS-4.5, VDS-4
- Mack EOS-4.5, EO-0 Premium Plus
- Renault Truck RLD-4, RLD-3
- CNH MAT 3521, 3522 (Meets specification)

Advice

Advice on applications not covered in this leaflet may be obtained from your local Aftersales Representative.

Protect the environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Typical Physical Characteristics

Properties	Method	Detroit Heavy Duty Diesel Engine Oil
Viscosity Grade		15W-40
Kinematic Viscosity at 40°C mm ² /s	ASTM D 445	115
Kinematic Viscosity at 100°C mm ² /s	ASTM D 445	15.3
Viscosity Index	ASTM D 2270	139
Density at 15°C Kg/l	ASTM D 4052	883
Sulphated Ash %	ASTM D 874	0.876
Total Base Number mg KOH/g	ASTM D 2896	10
Flash Point (COC) °C	ASTM D 92	236
Pour Point °C	ASTM D 97	-35

These characteristics are typical of current production.

Health and Safety

Detroit HEAVY DUTY DIESEL ENGINE OIL is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on health and safety is available on the appropriate Safety Data Sheet which can be obtained from penskeps.com.