

Shell Rotella DD+ 40

Two-stroke heavy duty Diesel Engine Oil

Shell Rotella DD+ Oil 40 is a high performance, heavy duty engine oil designed specifically for all two-stroke diesel engines manufactured by Detroit Diesel Corporation.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

Low ash technology

Reduced risk of valve distress and build-up of combustion chamber deposits. Meets requirements of Detroit Diesel for valve seat deposit control.

- High thermal and oxidative stability
 Maintains excellent standard of engine cleanliness.
- Excellent protection
 Against corrosion. Less risk of scuffing and accelerated wear.
- Advanced detergent technology
 Long term deposit control and retention of TBN.
- Shear stable SAE 40 & 50 monograde
 Complete lubrication in all critical areas.

Main Applications

Detroit Diesel two-stroke engines

Suitable for all Detroit Diesel two-stroke engines, in all applications including '149' engines used in mine haul trucks.

Technical Data Sheet

 Certain 4-cycle engines
 Can be used in certain 4-cycle engines in off-highway applications.

Specifications, Approvals & Recommendations

- API Service Classification : CF-II, CF
- Detroit Diesel Corporation : 7SE 270 8810 (Sulphated Ash less than 0.8%) - All equipment.

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Help Desk, or the OEM Approvals website.

Typical Physical Characteristics

Properties			Method	Shell Rotella DD+ 40
SAE Viscosity Grade				40
Kinematic Viscosity	@40°C	cSt	ASTM D445	138
Kinematic Viscosity	@100°C	cSt	ASTM D445	14.4
Viscosity Index			ASTM D2270	103
Density	@15°C	kg/m3	ASTM D4052	899
Flash Point (COC)		°C	ASTM D92	250
Pour Point		°C	ASTM D97	-15

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

Health and Safety

Shell Rotella DD+ 40 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 Material Safety Data Sheet, which can be obtained from your Shell representative.

Protect the Environment

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

Additional Information

Advice

Advice on applications not covered here may be obtained from your Shell representative.