

SHELL ROTELLA DD+

2-STROKE HEAVY-DUTY DIESEL ENGINE OIL

DESIGNED TO MEET CHALLENGES

Shell Rotella DD+ oil is a high performance, heavy-duty engine oil designed specifically for all 2-stroke diesel engines manufactured by Detroit Diesel Corporation.

PERFORMANCE FEATURES

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 AND 50 MONOGRADE

- Complete lubrication in all critical areas.

APPLICATIONS

DETROIT DIESEL 2-STROKE ENGINES

- Suitable for all Detroit Diesel 2-stroke engines, in all applications including '149' engines used in mine-haul trucks.

HEAVY-DUTY DIESEL ENGINES

- Shell Rotella DD+ is also suitable for general purpose use in non turbo-charged and moderately rated turbo-charged heavy-duty diesel engines on and off-highway.

SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS

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

TYPICAL PHYSICAL CHARACTERISTICS

CHARACTERISTICS	40	50
Kinematic Viscosity (ASTM D 445)		
@ 40°C mm ² /s	138	212
@ 100°C mm ² /s	14.4	19.0
Viscosity Index (ISO 2909)	103	100
Density @ 15°C kg/m ³ (ASTM D 4052)	899	0.900
Flash Point °C (COC) (ISO 2592)	250	250
Pour Point °C (ISO 3016)	-15	-9