

**DESCRIPTION**

Top Dog Global™ Mineral is a premium diesel engine oil meeting the latest in lubrication technology. It is formulated with high quality group II base oil. It meets the specifications of nearly all modern engine manufacturers and OEMs. Due to its excellent dispersant properties Top Dog Global™ Mineral is ideally suited for Series 60 Detroit Diesel and engines fitted with EGR (Exhaust Gas Recirculation) systems and those fitted with diesel particulate filters (DPF's). Its ideal application is as a true all fleet universal diesel oil. Top Dog Global™ Mineral can be used in stationary engines, earth moving and road transport applications as well as light commercial diesel applications and Allison C4 transmissions.

**SUMMARY OF BENEFITS**

- Extended drain intervals for more up time. (Meets Volvo VDS-4 extended drain intervals)
- Optimum viscosity providing fuel saving capability
- Advanced additive technology providing reduced oxidation and viscosity breakdown
- Suitable for Diesel Particulate Filters (DPF's) and engines fitted with Exhaust Gas Recirculation
- Superior sludge and soot control for a cleaner engine
- Reduced oil consumption
- Greatly reduced engine wear giving extended engine life
- Very good low temperature viscometrics for reduced wear at start up
- Low Saps formulation (Low sulfated ash & phosphorus)

**SPECIFICATIONS**

- SAE VISCOSITY 15W-40
- API CJ-4/SN, CI-4 PLUS, CI-4, CH-4
- ACEA E9, E7
- JASO DH-2
- CUMMINS CES 20081,20078
- MACK EO-O PREMIUM PLUS
- MERCEDES-BENZ 228.31
- VOLVO VDS-3, VDS-4
- ALLISON C4
- CATERPILLAR ECF3, ECF 2, ECF 1, AND TO-2
- MTU TYPE 2.1
- DDC 93K218
- MAN 3575
- RENAULT TRUCK RLD/RLD-2, RLD-3
- DETROIT DIESEL DDC 93K218, SERIES
- FENDT DQC 111-10 LA

| TOP DOG GLOBAL MINERAL     | TEST METHOD | UNITS   | RESULTS |
|----------------------------|-------------|---------|---------|
| DENSITY @ 15°C             | ASTM D1298  | kg/L    | 0.867   |
| KINEMATIC VISCOSITY @ 40°C | ASTM D445   | cSt     | 101     |
| @ 100°C                    | ASTM D445   | cSt     | 15.0    |
| VISCOSITY INDEX            | ASTM D2270  | -       | 155     |
| APPARENT VISCOSITY @ -25°C | ASTM D5293  | cP      | 6200    |
| POUR POINT                 | ASTM D97    | °C      | -30     |
| FLASH POINT (COC)          | ASTM D92    | °C      | 210     |
| TOTAL BASE NUMBER          | ASTM D2896  | mgKOH/g | 10.0    |
| SULPHATED ASH              | ASTM D874   | % mass  | <1.00   |

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.*

**STORAGE INSTRUCTIONS & HEALTH, SAFETY AND ENVIRONMENT INFORMATION**

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C. Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.

**AVAILABLE PACK SIZES**

#300141

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