



## **PRODUCT CODE TO1540**

**TOP SUPERFLEET SUPREME 15W40** is an extra high performance universal engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. Is formulated with high refined solvent mineral stock in combination with a special additive package to reach the following properties:

## **BENEFITS:**

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals.

Exceeds the following performance requirements:

- MB-Approval 228.3
- MAN M 3275
- Volvo VDS-3
- Renault RLD-2
- Mack EO-M
- Scania LDF-2
- API CI-4
- ACEA E7
- DDC 93K215
- Caterpillar ECF-1a, ECF-2
- Global DHD-1 JASO DH-1
- Allison C4 MTU Type 2
- Mack EO-M+ Cummins CES 20077/20078
- DAF HP2







## **TYPICAL ANALYSIS:**

Properties	Unit	Method	Typical Value
SAE Grade		SAE J3000	15W-40
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	880
Kin. Viscosity @40°C	mm²/s	ASTM D7042	101
Kin. Viscosity @100°C	mm²/s	ASTM D7042	14.0
Viscosity Index		ASTM D2270	143
Viscosity CCS @-20°, max.	сР	ASTM D5293	7000
Flash Point COC	°C	ASTM D92	201
Pour Point	°C	ASTM D97	-39
Total Base Number	mgKOH/g	ASTM D2896	10.4
Sulphated Ash	%Wt	ASTM D874	1.5

