TECHNICAL DATA SHEET



Part code: 8190 Sector: Commercial Vehicle Issue No: 3 Issue Date: 01/06/24

MULTIFLEET ENGINE OIL 10w30

Synthetic based, mid SAPS.

Application

A heavy duty engine oil suitable for all modern engine technology, up to and including EURO 6. Designed to meet the stated manufacturer specifications.

Features & Benefits

- Excellent cold flow properties on startup protecting vital components.
- Mid SAPS technology delivering protection of catalysts, DPF's and EGR's to aid in reducing emissions.
- Extended drain capabilities where applicable, increasing interval periods.

Typical Characteristics

Density @ 15°C, g/ml	0.869
Kinematic Viscosity @ 100°C, cSt	12
Flashpoint, °C	>200
TBN, mgK0H/g	10

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Performance Profile

ACEA E7, E9
API CK-4
CAT ECF-3
Cummins CES 20086
Detroit Diesel DDC 93K222
Deutz DQC III-10 LA
FORD WSS M2C171-F1
MACK E0-S 4.5
MAN M 3775
Mercedes Benz MB 228.31
MTU Type 2.1
Renault RLD-4
Volvo VDS-4.5

Suitable for

API CJ-4, CI-4 Plus, CI-4
CAT ECF-2, ECF-1a
Cummins CES 20081
DAF E9
Detroit Diesel DDC 93K218
Deutz DQC II-10LA
FORD WSS M2C171-E1
MACK E0-0P+, E0-N, E0-M+
MAN M 3575
Mercedes Benz MB 226.9
Renault RLD-3, RLD-2, RGD, RLD
Volvo VDS-5*, VDS-4, VDS-3, VDS-2, VDS, CNG
*This product can be used where Volvo VDS-5 specification is required with the exception of potential fuel economy benefits.

Footnotes: SAPS – Sulphated Ash, Phosphorus & Sulphur