

DESCRIPTION

Verus high-performance heavy duty **Marathon** Diesel Engine Oil 15W-40 CK-4/SN is recommended for naturally aspirated and turbocharged diesel and gasoline engines in which SAE 15W-40 viscosity grade and API CK-4 or SN service categories are specified.

Specifically engineered for engines operating under severe service in a wide range of climatic conditions and ambient temperatures. An ideal mixed fleet engine oil for both mobile and stationary equipment where the API CK-4 service category and SAE 15W-40 viscosity grade is specified. Advanced API CK-4 additive technology is fully backwards compatible with, and replaces, service categories CJ-4, CI-4 Plus, and previous.

FEATURES AND BENEFITS

Marathon is designed specifically to meet the stringent requirements of API Service Category CK-4 for heavy duty diesel engines running on Ultra Low Sulphur Diesel (ULSD) and equipped with advanced after treatment devices. Exceeds all soot control and particulate requirements of current emission control systems such as Exhaust Gas Recirculation (EGR), Diesel Particulate Filter (DPF), or Selective Catalytic Reduction (SCR).

APPLICATIONS

Some typical applications include:

- Current on-highway low emission diesel engines running on ultra-low sulphur diesel fuel
- Current off-highway engines including those adapted for future emissions standards in construction, agriculture, marine, and mining applications
- Mixed fleets where product consolidation is desired for performance and cost-savings

SPECIFICATIONS

Meets or exceeds the requirements of:

- API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4/SN
- Detroit Fluids Specification 93K222, 93K218
- ACEA E11, E9, E7
- Deutz DQC II-10 LA
- Caterpillar ECF-3, ECF-2
- Mack EOS-4.5, EO-O Premium Plus
- Cummins CES 20086, 20081
- MB-228.31
- Isuzu DEO (w/ DPD-equipped vehicles)
- Renault Trucks RLD-4, RLD-3
- JASO DH-2
- IVECO T2 E7
- MAN M 3575, 3275-1
- Allison TES 439
- Volvo VDS-4.5, VDS-4

TECHNICAL DATA

CHARACTERISTIC	TEST METHOD	RESULT
Physical Appearance	Visual	Bright and Clear
Viscosity @ 40°C cSt	ASTM D 445	110.5
Viscosity @ 100°C cSt	ASTM D 445	14.80
Viscosity Index	ASTM D 2270	139
CCS @ -20°C	ASTM D 5293	5,100
MRV-TP ²⁵⁻ @ 1C, cP	ASTM D 4684	16,800
HTHS Viscosity, cP	ASTM D 4683	4.1
Evaporative Loss NOACK, %	ASTM D 5800	10

The information contained herein is subject to change without notification. Typical properties may vary slightly.