

VECTOR HEAVY DUTY ENGINE OIL

Vector Heavy Duty Motor Oils are synthetic blend engine oils that are an API CK-4 fleet engine oil developed for use in four stroke cycle diesel engines designed to meet current highway exhaust emission standards. SAE 10W-30 and 15W-40 grades are specially formulated to provide optimum performance in modern, low emission diesel engines operating under a wide variety of service conditions, including engines with cooled exhaust gas recirculation (EGR).

Meets Performance Requirements:

Detroit Diesel DDC 93K222, DDC 93K223	ACEA E7-16, E9-16
Cummins CES 20086, 20087	CAT EFC-3
Mack EO-O Premium plus	MAN M3275, 3575
Mack EO-N, EOS-4.5	Allison TES 439
Renault VI RLD- 4	Deutz DQCIII-10LA
Volvo VDS-4.5	Ford WSS-M2C171-F1
API Certification License Number 2325	API CK-4, CJ-4, CI-4+, CI-4 and CH-4, SN

TYPICAL PROPERTIES		
SAE	10W-30	15W-40
API Service	CK-4	CK-4/SN
Kinematic Viscosity		
cST@40°C	82.18	122
cST@100°C	11.9	15.5
Viscosity Index	140	132
CCS Viscosity		
cP@-30 C	---	---
cP@-25 C	5600	---
cPs@-20 C	---	6500
Specific Gravity 15.6 C (60 F)	0.8685	0.8790
Phosphorus ppm	1090	1100
Calcium ppm	2300	2300
Zinc ppm	1200	1250
Sulfated Ash ppm	95	90
TBN	9.7	9.7

Note: Values shown above are representative of current production and many vary within modest ranges.

