

HEAVY DUTY LUBRICANTS

Economical, dependable lubrication

ENGINE OIL**PRODUCT DESCRIPTION**

A single oil for your entire fleet for use in both diesel and gasoline engines.

TYPICAL CHARACTERISTICS:

SAE Grade	10W	30	40	50	10W30	15W40
Characteristics						
API category	CF	CF/CF-2	CF/CF-2	CF/CF-2	CH-4 CF/SH	CH-4 OF/SJ
Colour, ASTM	2.5	3.5		3.5	3.5	3.5
Pour Point, C	-39	-30	-30	-24	-36	-33
Flash Point, COC, C	215	229	222	271	219	226
Appearance (visual)	CLEAR & BRIGHT					
Viscosity						
cSt (mm ² /s) @ 40C	38.5	97.7	129.2	216.5	72	112.5
cSt (mm ² /s) @ 100C	6.3	11.5	14.9	19.0	11.1	15.2
CCS @ -20C	2550	n/a	n/a	n/a	2850	2950
Viscosity Index	113	106	111	99	145	141
Borderline Pumping Temperature C	-30	n/a	n/a	n/a	-30	-30
Sulphated Residue (ash) % Mass	0.75	0.75	0.89	0.75	1.25	1.25
TBN-E, D-2896 9mg KOH/g	6.0	6.0	7.9	6.0	10.2	10.3

PERFORMANCE BENEFITS

Formulated for optimum engine performance
Superior dispersancy and oxidation resistance
Excellent detergency characteristics
Low oil Consumption
Shear stable VI improver
Unexcelled fuel economy
Good rust protection
Outstanding antiwear hydraulic performance
Excellent gasoline engine performance

Approvals

	10W	30	40	50	10/30	15/40
Mack EO M Plus					X	X
MIL-L-2104	C	E/F			C	F
MIL-L-46152E	X	X	X	X	X	X
Caterpillar TO-2	X	X	X		X	
Allison C-4	X	X	X	X	X	X
Cummins CES 20076					X	X
Volvo VDS						X