

EXTRA/HEAVY-DUTY MOTOR OILS**SAE 10W, 20W-20, 30, 40, 50**

[ASTM D-2896, TBN 10]

SAE Grade	<u>Typical Properties</u>				
	10W	20W-20	30	40	50
Automotive					
Viscosity, cSt					
At 40 C	42	72	114	155	233
At 100 C	6.5	8.8	11.8	15.1	18.7
Viscosity, SUS					
At 100 F	193	331	524	713	1071
At 210 F	47	55	65	78	92
Viscosity Index	+90	+90	+90	+90	+90
Flash Pt.,(COC) F	+400	+420	+435	+450	+465
Pour Point, Deg F	-30	-20	-5	0	+5
Sulfated Ash, %wt	1.4	1.4	1.4	1.4	1.4
Neut. No., TBN-E (min)	10	10	10	10	10
Gravity, API @ 60F	27.9	27.2	26.5	25.5	24.9

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

EXTRA/HDMO (Heavy Duty Motor Oil) SAE Single-Grade crankcase oils are formulated for all diesel and gasoline engines. These oils are blended from selected and highly refined base stocks. They are compounded with detergents, dispersants, wear control elements, anti-oxidants, corrosion inhibitors, and a foam suppressant additive. SAE grades 30, 40, 50 meet API Service Categories CF, CF-2/SH and former API Classifications CD, CD-II, CE, SAE grades 10W and 20W are API Classified as SH oils.

APPLICATIONS

Recommended for all major automotive diesel and four-cycle gasoline engines in severe service and under all operating conditions where the equipment owner specifies the additional performance benefits of heavy duty motor oils with higher detergency.