



PRODUCT SPECIFICATION DATA SHEET



BOSS SYNTHETIC DIESEL ENGINE OILS

Customer Benefits:

These synthetic diesel engine oils are full (100%) synthetic blends utilizing Group III base stocks and the most advanced additive chemistry systems. These wide range viscosity engine oils (0w-30, 0w-40, 5w-40, 15w40) provide vastly superior low temperature fluidity for cold engine starts, oxidation and thermal stability protection, soot control and wear protection. These synthetic diesel engine oils are designed for “on” and “off” highways operations and are considered to be an excellent all seasonal diesel engine oil.

PERFORMANCE SPECIFICATIONS:

SAE GRADE	0W30	0W40	5W40	15W40
DENSITY @ 15.5°C, kg/l	0.846	0.8660	0.8778	
VISCOSITY.Cst @ 40°C	105.8	65	80.00	89.579
VISCOSITY, Cst @ 100°C	15.3	13.5	14.4	15.01
VISCOSITY INDEX	152	180	184	177
CCS VISCOSITY CP @-25°C	2900	-	-	2500
CCS VISCOSITY CP @-35°C	-	5500	5500	-
HT/HS, CP@150°C	3.9	-	-	3.9
FLASH POINT, °C	238	188	208	232
FIRE POINT °C	257	-	251	254
POUR POINT °C	-41	-45	-51	-48
COLOUR (D-1500)	4.5	-	3.0	5.0
SULPHATED ASH, WT. %	1.17	1.2	1.2	1.17
TBN (D-2896)	11	9.2	9.0	11

Applications:

- Exceeds API service Categories CJ-4/CI-4/CH-4/SM/SL/SJ
- Recommended as a “long drain” motor oil when used in conjunction with an oil analysis program
- Meets the following requirements: MACK E0-K/2, EO-L, Detroit Diesel 75E 270, Caterpillar IN/1K and extended sequences in IIIE, VE AND L-38 bench tests
- Can be utilized in gasoline passenger automobiles and light duty panel trucks where heavy duty engine operations are encountered

Properties:

- Excellent soot control
- Minimizes combustion chamber ash deposits
- High oxidation and thermal stability protects the engine against sludge and varnish deposits
- High alkaline reserve (TBN) protects engine components
- Enhanced protection against bore polishing and engine scuffing
- Fast engine starts in cold weather