PENNZOIL SUPREME DUTY MOTOR OIL

PRODUCT DESCRIPTIONS

MOTOR OIL CF/SF is premium quality motor oil designed to exceed the lubrication requirement of the high output diesel engines. **MOTOR OIL CF/SF** provides excellent protection for high performance diesel engines.

Extensive field-testing proves that **MOTOR OIL CF/SF** will minimize carbon deposits, which interfere with efficient operation, in the piston ring wear and less cylinder bore polishing. The benefits of using **MOTOR OIL CF/SF** are less oil consumption, less ring breakage and less piston skirt scuffing. This is especially important for the new " low emission" diesel engines. The acid-neutralizing additive in **MOTOR OIL CF/SF** will also reduce corrosive wear, even when using fuel with sulfur levels up to twice the national average. Less corrosion deposits and wear mean less engine maintenance and longer engine life.

APPLICATION

MOTOR OIL CF/SF exceeds the performance requirements of all diesel engine manufacturers specifying the use of an engine oil meeting API Service Classifications CF, CE, CD and CC or any combination such as CC/SC, CE/SD or CF/SF. Viscosity recommendations vary according to temperature and engine manufacturer. Always consult your owner's manual for the correct viscosity choice.

BENEFITS

- Minimizes oil consumption
- Protects against ring and cylinder wear
- Keeps pistons clean
- Neutralizes acids from high sulfur fuel
- Control wear in heavy-duty transmissions
- Maintains efficient fuel consumption
- Reduce bore polishing
- high-performance engines
- Exceeds API Service CF/SF

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES
PENNZOIL SUPREME DUTY MOTOR OIL

TEST	METHOD	TYPICAL RESULTS		
SAE Viscosity Grade	SAE J300	30	40	50
API Service	SAE J183	CF/SF	CF/SF	CF/SF
Pour Point, ^{O}C	ASTM D-97	-9	-9	-9
Flash Point, ^{O}C	ASTM D-92	245	271	280
Viscosity				
@ 40 ^{O}C, cSt	ASTM D-445	99.00	142.0	239.0
@ 100 ^{O}C, cSt	ASTM D-445	11.30	15.0	20.5
Viscosity Index	ASTM D-2270	100	106	100
Copper Strip Corrosion	ASTM D-130	1b	1b	1b
Total Base Number, mg KOH/g	ASTM D-2896	6.2	6.2	6.2