



Schaeffer Manufacturing Co. DuQuoin
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Conventional FA-4 10W-30 Motor Oil

FORMULA 500® FA-4 10W-30 Motor Oil is for use in diesel engines under service conditions from mild to heavy duty with fuel of any sulfur level. This oil is recommended for use in four-cycle diesel applications. The current formulation meets API Service Classification FA-4. FORMULA 500® FA-4 10W-30 Motor Oil is also suitable where Cummins CES 20087 and Detroit Diesel DDC93K223 specifications are demanded.

FORMULA 500® FA-4 10W-30 Motor Oils is licensed by the API as FA-4. This formal approval demonstrates the commitment of FORMULA 500® to produce quality products on the leading edge of lubrication technology.

This oil should not be used in Caterpillar TO-4 applications, two-cycle gasoline engines, aircraft engines, or EMD Diesel engines. **CAUTION: FA-4 oils are not suitable for use in any applications calling for CK-4 oils or previous API service categories (CJ-4, CI-4+, CI-4, etc.). Use of FA-4 oil in older equipment may cause equipment harm.** Always follow manufacturer's recommendations for service classification, viscosity grade and drain intervals.

Typical Properties:

Product: FORMULA 500® FA-4 Motor Oils	
Product Code:	90664
SAE Viscosity Grade	10W-30
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	9.80
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	65.54
Viscosity Index (ASTM D-2270)	132
Total Base Number (ASTM D-2896)	10
Flash Point °C (°F) (ASTM D-92)	225
Pour Point °C (°F) (ASTM D-97)	-37
Zn (ppm)	1250
Ca (ppm)	2330
P (ppm)	1100