

**FRANKOL API FA-4****FULLY / SEMI SYNTHETIC****PRODUCT DESCRIPTION:**

Frankol FA-4 is the most advanced lubricant technology for fuel efficient engines equipped with emission after-treatment devices calling for API FA-4. It is specifically formulated for on highway applications, including certain 2017 greenhouse gas compliant diesel engines to meet lower CO₂ emissions and improved fuel economy, in addition to EPA 2010 compliant low emissions diesel engines with SCR (Selective Catalytic Reduction), DPF (Diesel Particulate Filter), and EGR (Exhaust Gas Recirculation) systems.

APPLICATION:

Recommended for heavy duty diesel engines with turbo-charger, direct injection and low emission designs.

FEATURES & BENEFITS:

- Enhanced fuel economy
- Extended drain interval
- Excellent oxidation stability
- Emission system protection
- Bio fuel compatible
- Unsurpassed wear protection

PERFORMANCE LEVELS: Meets or Exceeds:

- API Service Category FA-4/SN
- JASO DH-2
- MB 228.61 v17
- Cummins 20087
- DDC 93K223

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	FRANKOL (SEMI SYN)	
Grade			5W-30	10W-30
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	55.8	58.7
Kinematic Viscosity @ 212°F /100°C	ASTM D-7042	cSt	10.0	9.9
Viscosity Index (min)	ASTM D-2270	-	169	156
SP. Gravity @15°C/ 60°F	ASTM D-4052	g/cm ³	0.860	0.878
Flash Point (min)	ASTM D-92	°C	232	234
Pour Point (max)	ASTM D-97	°C	-42	-42
TBN	ASTM D-2896	Mg KOH/g	8.5	8.5
CCS, (°C)	ASTM D-5293	m.Pa.S	<6600 (-30°C)	<7000 (-25°C)

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website Frankol.net