



## FRANKOL API CJ-4/SM

### FULLY SYNTHETIC

#### PRODUCT DESCRIPTION:

Frankol API CJ-4/SM is a synthetic, high performance heavy duty diesel engine oil that helps extend engine life and improve fuel economy in modern diesel engines operating in severe conditions. API CJ-4 specification utilizing state-of-the-art technology to deliver exceptional performance in modern low emission engines, including those with Exhaust Gas Recirculation (EGR), After treatment systems with Diesel Particulate Filters (DPF's) and Diesel Oxidation Catalysts (DOC's).

#### APPLICATION:

KRAFTIG POWER PLUS is recommended for use in 4-stroke diesel engines, including modern low emission engines with Exhaust Gas Recirculation (EGR), After Treatment systems with Diesel Particulate Filters (DPF's) and Diesel Oxidation Catalysts (DOC's). Recommended for on-highway engines operating in both high speed/high load and stop-and-go conditions. Off-highway engines operating in severe low speed/heavy load conditions. Also suitable for high performance gasoline engines and mixed fleets.

#### FEATURES & BENEFITS:

- Prevent premature DPF plugging and shortened maintenance intervals
- Minimizes piston and combustion chamber deposits
- Fights Sludge and Varnish
- Excellent against engine wear due to soot formation
- Excellent oxidation, foam, corrosion inhibition
- Provide faster, safe starts during extreme temperatures and increases thermal and oxidation stability at extreme high temperatures
- Extended engine life

#### PERFORMANCE LEVELS: Meets or Exceeds:

- API CJ-4/SM
- ACEA E9
- MB 228.31
- Caterpillar ECF-3
- MAN M3477/3575
- VOLVO VDS-4
- Renault RLD-3
- DDC 93K218
- Mack EO-O PP
- Cummins CES 20081
- DEUTZ DQC III-10 LA
- FORD WSS-M2C171-F1

#### TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	(FRANKOL FULLY SYNTHETIC)			
Grade			0W-30	0W-40	5W-30	5W-40
Kinematic Viscosity @ 104°F /40°C	D-7042	cSt	67.1	87.5	68.45	91.65
Kinematic Viscosity @ 212°F /100°C	D-7042	cSt	11.85	14.9	11.8	15
Viscosity Index (min)	D-2270	-	175	180	170	173
SP. Gravity @15°C/ 60°F	D-4052	g/cm <sup>3</sup>	0.845	0.845	0.860	0.860
Flash Point (min)	D-92	°C	234	230	234	232
Pour Point (max)	D-97	°C	-42	-42	-42	-42
TBN	D-2896	Mg KOH/g	9.9	9.9	9.9	9.9
CCS, (°C)	D-5293	m.Pa.S	6200 (-35°C)	6200 (-35°C)	6600 (-30°C)	6600 (-30°C)
Sulphated Ash	D-871	mass %	0.98	0.98	0.98	0.98

#### 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