



FRANKOL API CK-4/SN

SEMI SYNTHETIC

PRODUCT DESCRIPTION:

Frankol CK-4/SN is a low SAPS heavy duty engine oil that helps extend engine life in the most severe on and offhighway applications while delivering outstanding performance in modern high output low-emission engines fitted with EGR, DPF, DOC and SCR - Adblue NOx reduction systems. The exceptional low temperature fluidity and pumpability in combination with the sophisticated additive system ensures maximum engine wear performance and supports longer engine life. It is designed for onroad vehicles meeting Euro VI and off-road vehicles meeting Euro IV stage emission norms

APPLICATION:

Frankol CK-4/SN is recommended for heavy-duty diesel engines including Euro V/VI modern low emission vehicles, utilizing technologies such as Diesel Particulate Filter (DPF), Selective Catalytic Reduction (SCR), Continuously Regenerating Traps (CRT), Diesel Oxidation Catalysts (DOC) and Exhaust Gas Recirculation (EGR). It is also recommended for High-performance diesel applications including turbo-charged designs featuring EGR technology and diesel applications using older, naturally aspirated conventional designs. Onhighway heavy-duty trucking and off-highway including construction, mining, quarrying, and agriculture.

FEATURES & BENEFITS:

- Excellent control of oil thickening due to soot buildUp.
- Outstanding TBN retention for long drain intervals.
- Outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear.
- Designed to control aeration exceptionally
- Excellent shear stability
- Improved oxidation stability

PERFORMANCE LEVELS: Meets or Exceeds:

- API CK-4/SN
- Volvo VDS-4.5 (SAE 15W-40)
- Mack EOS 4.5 (SAE 15W-40)
- Renault VI RLD3 (SAE 15W-40)

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	FRANKOL CK-4/SN						
Grade			0W-30	0W-40	5W-30	5W-40	10W-30	10W-40	15W-40
Kinematic Viscosity @ 104°F /40°C	D7042	cSt	TBR	TBR	TBR	TBR	TBR	TBR	TBR
Kinematic Viscosity @ 212°F /100°C	D7042	cSt	11.9	15.1	11.9	15.1	11.8	15.2	15.3
Viscosity Index (min)	D2270	-	160	170	160	160	145	145	135
SP. Gravity @15°C/ 60°F	D4052	g/cm ³	TBR	TBR	TBR	TBR	TBR	TBR	TBR
Flash Point (min)	D92	°C	220	220	220	220	220	220	220
Pour Point (max)	D97	°C	-39	-39	-39	-39	-36	-36	-33
TBN	D2896	mg KOH/g	8	8	8	8	8	8	8
CCS	D5293	m.Pa.S	<6200 (-35°C)	<6200 (-35°C)	<6600 (-30°C)	<6600 (-30°C)	<7000 (-25°C)	<7000 (-25°C)	< 7000 (-20°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

