



KRAFTIG CR 3 MINERAL

PRODUCT DESCRIPTION:

KRAFTIG CR 3 mineral engine oils are formulated for mixed fleet operations. It is blended with an optimized combination of base oil and balanced additive system. Suitable for diesel and naturally aspirated gasoline engines used in trucks and passenger cars operating under harsh driving conditions. KRAFTIG CR 3 provides exceptional thermal stability at high temperatures.

APPLICATION:

Recommended for modern heavy duty engines, wide range of turbo-charged or naturally aspirated diesel engines, generators, trucks, construction cars, passenger cars or mixed car group comprising diesel and gasoline cars. It is recommended for automotive diesel engine of passenger cars and light commercial vehicles where the OEM recommends API CF or earlier specification.

FEATURES & BENEFITS:

- Provides high thermal stability and oil oxidation resistance
- High control over wear, rust and corrosion to ensure long life of engine parts
- Provide a high standard of piston cleanliness
- Improved fuel economy and filterability
- Longer maintenance intervals and oil change period
- Excellent fluidity at low temperatures ensures good starting
- Properly balanced detergency and dispersancy ensures a clean engine

PERFORMANCE LEVELS: Meets or Exceeds:

- API CF/SF
- ACEA E2-96/A3/B3
- MB 228.2
- MIL-L-2104E
- CAT T0-2
- MAN 270
- MTU TYPE 1
- ALLISON C4

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	KRAFTIG CR 3 (MINERAL)						
			15W-40	15W-50	20W-50	20W-60	40	50	60
Grade			15W-40	15W-50	20W-50	20W-60	40	50	60
Kinematic Viscosity @ 104°F /40°C	D-7042	cSt	116.4	109.5	182.75	201.05	151.4	218.85	274.9
Kinematic Viscosity @ 212°F /100°C	D-7042	cSt	15.45	15.2	20.5	24.2	15.5	20.5	24.1
Viscosity Index (min)	D-2270	-	140	146	132	150	105	110	111
SP. Gravity @15°C/ 60°F	D-4052	g/cm ³	0.882	0.878	0.891	0.887	0.895	0.896	0.897
Flash Point (min)	D-92	°C	236	232	236	230	242	246	250
Pour Point (max)	D-97	°C	-33	-33	-24	-24	-15	-15	-15
TBN	D-2896	Mg KOH/g	8	8	8	8	8	8	8
CCS, (°C)	D-5293	m.Pa.S	<7000 (-20°C)	<7000 (-20°C)	<9500 (-15°C)	<9500 (-15°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 Runol.net

