

Marine Industrial Heavy Duty Gear Oil

L-CKD 68, 100, 150, 220

Product Description

PetroChina Lubricant Company's L-CKD series gear oil is produced from the deep refined base oil which undergoes precise de-waxing process and a unique blending process with our premium quality additive package. Its quality meets the international standard and requirement.

Applications

L-CKD series gear oil is suitable for the gears with contact stress more than 1100 mPa and is also applicable for use in the mineral, metallurgy, steel milling and construction machinery.

Features

- Excellent viscosity reduces gear tooth wear
- Excellent anti-wear properties.
- Excellent oxidation and thermal stability provides resistance to oil oxidation caused by high working temperature, therefore having a longer oil life.
- Excellent demulsibility provides effective lubrication and smooth operation in the presence of water contamination and prevents gear surface from wear and friction.
- Superior foam resistance property.
- Excellent rust and corrosion prevention properties.

Specifications

Properties	CKD 68	CKD 100	CKD 150	CKD 220	CKD 320	CKD 460	Test Method
Kinematic Viscosity (40°C) mm ² /s	69.56	102.3	158.0	222.3	320.0	446.7	ASTM D445
Density at 15°C Kg/m ³	880.0	888.1	893.1	900.1	900.0	901.1	ASTM D4052
Density at 20°C Kg/m ³	877.0	885.0	890.0	897.0	896.1	898.0	ASTM D4052
Viscosity Index	93	93	91	90	95	95	ASTM D2270
Flash Point(Open) °C	254	254	252	252	250	245	ASTM D92
Pour Point °C	-12	-12	-12	-10	-13	-9	ASTM D97
Water %	trace						ASTM D95
Copper Strip Corrosion (100°C, 3h) grade	1b						ASTM D130
Rust test sea water distilled water	pass pass						ASTM D665
Timken, (OK Load) N	267						ASTM D2509
FZG grade	11						DIN51534

* Above product typical properties are indicative and subject to change without prior notice

Storage and Handling

- All containers, tanks, pipelines and valves has to be cleaned thoroughly and inspected to be clean for use before being used to transfer or transport L-CKD 68, 100, 150, 220, 320, 460 to prevents contamination.
- Storage tanks/equipment must be dedicated and is recommended to be stored in an indoor and controlled environment.
- Storage tanks/equipment must be waterproof, mist-proof and free from other mechanical particles.
- Product must be labelled clearly and properly during the entire transportation process to prevent mixing of other petrol-chemical product into the gear oil.