



BELHERR®

CAPTs OIL ISO VG 46



Group III Hydrocracked Turbine Oil ISO VG 46

SPECIFICATIONS

Group III base oil, ISO VG 46, zinc-free.

DESCRIPTION

Lubricant formulated with Group III hydrocracked base oils with ISO VG 46 viscosity, developed for the lubrication of gas turbines, steam turbines, and turbochargers operating under severe conditions and high temperatures. Its formulation incorporates antioxidant additives, corrosion and rust inhibitors, as well as anti-foam agents to provide oxidation stability, resistance to chemical degradation, effective water separation, and reliable performance during extended service periods.

APPLICATIONS

Suitable for lubrication systems in gas turbines, steam turbines, and turbochargers requiring zinc-free lubricants with excellent oxidation stability and continuous operation capability under high-temperature conditions. It is intended for high-demand equipment where foam control, corrosion protection, rapid water separation, and extended lubricant service life are required.

BENEFITS

- High oxidation resistance.
- Enhanced chemical stability in service.
- Protection against corrosion and rust.
- Good foam control.
- Effective water separation.
- Reliable performance at elevated operating temperatures.

PROPERTIES

- Group III hydrocracked base oil.
- Zinc-free formulation.
- High oxidation stability.
- Corrosion and rust protection.
- Controlled demulsibility.

PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	UNIT	ASTM METHOD	VALUE
ISO Grade	-	ASTM D 2422	ISO VG 46
Density @ 15°C	g/cm ³	ASTM D 1298 / ASTM D 4052	0.843 (±5%)
Flash Point	°C	ASTM D 92	≥250°C
Viscosity @ 40°C	cSt	ASTM D 445	46 ±10%
Viscosity Index	-	ASTM D 2270	130 ±5%
Pour Point	°C	ASTM D 97	≤ -15°C
RPVOT Oxidation Stability	min	ASTM D 2272	≥ 1,770 min
TOST	hours	ASTM D 943	≥ 14,000 hrs
Demulsibility, Time for Maximum 3 mL Emulsion	min	ASTM D 1401	< 15
Copper Strip Corrosion	Classification	ASTM D 130	1A
Demulsibility at 54°C (15 min)	-	ASTM D 1401	40/37/3
Air Release at 50°C	-	ASTM 3427	2
Cleanliness Code	-	ISO 4406	16/14/12
Water Content Test	ppm	ASTM D95 / ASTM D6304	<100 PPM