



BELHERR®

CAPTs OIL ISO VG 32



Group III Hydrocracked Turbine Oil ISO VG 32

SPECIFICATIONS

Group III base oil, ISO VG 32, zinc-free.

DESCRIPTION

Lubricant formulated with Group III hydrocracked base oils with ISO VG 32 viscosity, developed for the lubrication of gas turbines, steam turbines, and turbochargers operating at high temperatures and requiring high-performance service. Its formulation incorporates antioxidant components, corrosion and rust inhibitors, as well as anti-foam agents to provide oxidation resistance, chemical stability, effective water separation, and emulsion control.

BENEFITS

- High oxidation resistance.
- Excellent chemical stability.
- Protection against corrosion and rust.
- Good foam control.
- Effective water separability.

APPLICATIONS

Suitable for lubrication systems in gas turbines, steam turbines, and high-performance turbochargers, especially under operating conditions requiring oxidation stability, foam control, excellent demulsibility, and reliable performance at elevated temperatures. Its use is intended for next-generation equipment requiring zinc-free lubricants with extended service life.

PROPERTIES

- Zinc-free lubricant.
- Resistance to oxidation and chemical degradation.
- Anti-foam and demulsifying capability.
- Protection against corrosion of ferrous and non-ferrous metals.

PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	UNIT	ASTM METHOD	VALUE
ISO Grade	-	ASTM D 2422	ISO VG 32
Density @ 15°C	g/cm ³	ASTM D 1298 / ASTM D 4052	0.838 (±5%)
Flash Point	°C	ASTM D 92	≥230°C
Viscosity @ 40°C	cSt	ASTM D 445	32 ±10%
Viscosity Index	-	ASTM D 2270	120±2.5%
Pour Point	°C	ASTM D 97	≤ -15°C
RPVOT Oxidation Stability	min	ASTM D 2272	≥1,776 min
TOST	hours	ASTM D 943	≥14,000 hours
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	1
Cleanliness Code	-	ISO 4406	16/14/12
Water Content Test	ppm	ASTM D95 / ASTM D6304	<100 PPM