Eiffel Turbo Heavy series

High Performance Heavy Duty Circulating/Bearing Oils

Product Data Sheet

Product Description

Eiffel Turbo Heavy series are high performance heavy duty circulating oils formulated with high quality base stocks and advanced additive technology, to provide exceptional equipment protection and reliability in applications lubricated by circulating systems which are operating under moderate to severe conditions. They are specifically designed to demonstrate high resistance to oxidation & thermal degradation, resist sludge formation, excellent demulsibility and high level of protection against wear, rust and corrosion.

Features & Benefits

- Outstanding thermal & oxidation stability prevents varnish & sludge formation and helps in extending life of oil and filter.
- Excellent water separability reduces sludge build up and improves efficiency of timing valves.
- Excellent load carrying properties reduces wear in pumps, bearings and gears.
- Excellent protection from rust and corrosion of multi-metallurgy compressor components.

Application

Eiffel Turbo Heavy series are suitable for use in systems where extreme pressure (EP) oils are not required and which are not subjected to shock loads. Primarily designed for applications using splash, bath and ring oil lubrication system.

- Suitable for use in medium to high severity hydraulic systems, requiring higher viscosities.
- Vacuum pumps and compressors handling air, inert gas and natural gas, upto maximum compressed air temperature of 150 °C.
- Suitable for lubricating plain bearings, roller bearings, parallel shaft spur, helical & herringbone gears and bevel gears operating under moderate to severe conditions.

Specifications

Eiffel Turbo Heavy series meets or exceeds following International and Builder specifications:

- FAG/ SKF (PM oils for Dry section)
- Morgan Bearings: DIN 51517-2 (CL specs)

Typical Characteristics

Eiffel Turbo Heavy series	Test Method	Units	150	220	320	460
ISO Viscosity Grade	ISO 3448	-	150	220	320	460
Density @ 15 ^{0}C	ASTM D 4052	gm/cc	0.894	0.898	0.900	0.904
Viscosity @ 40 ^{0}C	ASTM D 445	cSt	150.2	220.5	320.9	460.8
Viscosity @ 100 ^{0}C	ASTM D 445	cSt	14.56	18.75	23.95	30.45
Viscosity Index	ASTM D 2270	-	95	95	95	95
Pour Point	ASTM D 97	°C	-18	-18	15	-12
Flash Point (COC)	ASTM D 92	°C	272	276	278	284
FZG Gear Test, Fail stage	DIN 51354	-	12	12	12	12
Copper Strip Corrosion	ASTM D 130	-	1B	1B	1B	1B
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0	10/0	10/0	10/0
Demulsibility, 40/40/0 @ 82^{0}C	ASTM D 1401	min	15	15	15	20

The above figures are typical of blends with normal production tolerance and do not constitute a specification.