

PRODUCT SPECIFICATIONS & TECHNICAL DATA

Synthetic Bearing and Circulation Oil

PETROFLO BRAND is a high performance **synthetic bearing and circulation lubricant**, It offers outstanding lubrication performance under severe operating conditions, including improved energy efficiency and long service life.

- Moderately loaded enclosed industrial reduction gearboxes operating under different conditions, such as very low or elevated temperatures and wide temperature variations
- Plain and rolling element bearings, Oil circulation systems.

Performance Features and Benefits

- **Excellent anti-wear performance providing long component life.** Provides high levels of wear protection, for rolling element bearings and moderately loaded gearboxes.
- **Excellent oxidation and thermal stability extending lubricant life.** Resists the formation of harmful products of oxidation at high operating temperatures, improving system cleanliness.
- **Longer service intervals** Extended component and lubricant life.
- **Superior lubricant performance improving gear efficiency.** Offers improved low temperature performance and reduced change in viscosity with increase in temperature in comparison to mineral oil-based products. This provides better lubrication at low start-up temperatures.
- Outstanding rust and corrosion protection of all metal surfaces
- Rapid water shedding and air release performance

Specification and Approvals: Meets the ISO 12925-1 Type CKS specification.

Seal and paint compatibility: **PETROFLO BRAND** is compatible with all seal materials and paints normally specified for use with mineral oils.

Change over procedure: **PETROFLO BRAND** is compatible with petroleum mineral oils and no special change-over procedure is necessary.

TYPICAL ANALYSIS

ISO GRADE	<u>32</u>	<u>68</u>	<u>100</u>
cSt @ 40 ©	32	68	100
cSt @ 100 ©	5.3	7.5	12.5
VISCOSITY INDEX	125	130	130
FLASH COC F	250	255	280
POUR POINT	-51	-51	-51
Density at 15 ©	853	857	860
PROPERTIES ZDP	SUPERIOR	SUPERIOR	SUPERIOR
FZG Load Carrying Test	>12	>12	>12
RUST & CORROSION	NO RUST	NO RUST	NO RUST
DEMULSIBILITY	RAPID	RAPID	RAPID
ANTI-FOAM ACTION	EXCELLENT	EXCELLENT	EXCELLENT
EXTREME PRESSURE 4 BALL TEST	SUPERIOR	SUPERIOR	SUPERIOR

The above analyses are typical inspections only and the finished product may vary from batch to batch.