

ART OIL BAX EP 322/3215/321

DESCRIPTION

ART OIL BAX EP SERIES is a high-performance barium complex soap grease reinforced with qualified EP additives that can work smoothly against water, steam, and acid under demanding conditions with mineral base oil.

FIELDS OF USAGE

It can be easily used in rolling bearings and plain bearings with vibrating and shock loads in the iron and steel industry, in the automotive, paper, mining, cement, agricultural machinery, and construction machinery sector, in moving belt conveyor bearings operating under demanding conditions, in crane mechanisms, and in marine vehicles.

PROPERTIES

- Provides high performance even under heavy loads and elevated temperatures in favor of its qualified and high EP additives.
- Absorbs shock and vibration loads and reduces friction and wear.
- Protects and seals bearings in wet, acidic, muddy, and harsh conditions.
- Contains antioxidant and anti-corrosion additive, which provides great protection against rust and corrosion.
- Extends the bearing life and reduces maintenance and operating costs with its long service life.
- Usage amount is extremely low compared to other soapy greases.

STORAGE

- Packaging should be stored in covered areas with the lids tightly closed.
- It should not be exposed to the direct effects of sun heat and heat sources.
- The ambient temperature should not exceed 60°C.
- Maximum two pallets should be stored on top of each other.
- Consult the Material Safety Data Sheet (MSDS) for more information.

SUBSTANTIAL AND CHEMICAL PROPERTIES

ART OIL BAX EP	STANDARD	322	3215	321
NLGI	DIN 51818	2	1.5	1
Color	-	Yellow-Fawn	Yellow-Fawn	Yellow-Fawn
Base Oil	-	Mineral	Mineral	Mineral
Soap Type	-	Barium Complex	Barium Complex	Barium Complex
Processed Penetration, 60 ST, 25°C	ASTM D 217	265-295	295-305	310-340
Density, 20°C, g/cm ³	DIN 51757	~ 0.91	~ 0.90	~ 0.90
Base Oil Viscosity, 40°C mm ² /sn	ISO VG	320	320	320
Pour Point, °C	DIN ISO 2176	>270	>260	>260
Separation From Oil [Weight %] t = 30 h, T = 150°C	FTMS 791 C 321.3	1.5 max.	2.0 max.	2.5 max.
Timken OK Load (lbs.)	ASTM D 2509	35 min.	35 min.	35 min.
Water Spray Test % Weight Loss	ASTM D 4049	3 max.	3.5 max.	4 max.
Rust Test	ASTM D 1743	Pass	Pass	Pass

(*) Values may differ from production to production.

HEALTH AND SAFETY

Used waste products should not be dumped into underground and above-ground water sources, sewer connections, and garbage. Prolonged contact with used oils can cause skin diseases. Therefore, sterile gloves should be used. If the used oil encounters the skin, that area should be washed immediately with plenty of water and soap. If irritation or redness occurs in case of skin contact, seek medical advice immediately.