



AK HIGHTREX MOLY GREASES

GRADES: HT-X, HT-XX, HT-XXX

DESCRIPTION:

AK HIGHTREX MOLY SERIES GREASE are multipurpose Non-soap base grease, made from a heat resistance bentonite thickener and chemically stable molybdenum disulphide (MOS₂), which is very effective lubricants with extremely good anti-scuffing characteristics. The Presence of MOS₂, make it suitable for lubrication of machine elements operating under high temperature conditions.

AK HIGHTREX MOLY SERIES GREASE also contains antioxidants, anti-corrosion and extreme pressure additives together with Molybdenum Disulfide for enhanced extreme pressure and anti-seize performance. They exhibit good water resistance and excellent adherence to metal surfaces.

APPLICATION:

- AK HIGHTREX MOLY SERIES GREASE is applicable at various High Temperature Operations conditions, suitable for plain bearings and gears in a wide variety of applications. They can also be used in slow speed rolling and angular contact bearings having adequate clearance to take care of solid particles
- AK HIGHTREX MOLY SERIES GREASE can provide protection against fretting corrosion, typically associated with spline shafts, pivot pins, constant velocity joints, and other ball joints and on parts subjected to oscillating and sliding motion. Generally recommended for all difficult service conditions such as dust, exposure to vapours and rains, recurrence of shock loads.

PERFORMANCE LEVEL:

- IS 12790: 1989 Grade 3 Specifications
- US STEEL No. 372 & ASTM D 4950 GC-LB.
- IPSS: 1-09-008 specification.

PERFORMANCE

- Very good EP and anti-wear properties.
- High amount of Molybdenum Disulphide.
- Good adhesion properties & superior water resistance.
- Excellent rust and corrosion resistance.

BENEFITS:

- Good Extreme-Pressure and Anti-wear Properties.
- Provides superior equipment protection under severe operating conditions.
- Better protection of equipment operating under boundary lubrication condition and sliding mechanisms.
- Lower grease consumption and better bearing protection.
- Good pumpability which makes it suitable for centralized lubrication systems.

TYPICAL PROPERTIES:

Corporate Headquarters
65-Second Floor, 4D SQUARE,
Visat-Gandhinagar Highway,
Motera, Ahmedabad 380005
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CHARACTERISTICS	HT-X	HT-XX	HT-XXX
APPEARANCE	GREYISH BLACK	GREYISH BLACK	GREYISH BLACK
NLGI GRADE	02	02	02
THICKENER TYPE	BENTONITE	BENTONITE	BENTONITE
BASE OIL VISCOSITY 40°C CST,	280	280	280
WORKED PENETRATION 60/60 STROKES AT 25°C	265 - 295	265 - 295	245 - 265
DROPPING POINT °C, MIN.	300	300	300
OXIDATION STABILITY, 100H, PSI DROP, MAX.	0.5	0.5	0.5
EMCOR RUST TEST RATING	0,0	0,0	0,0
FOUR BALL WELD LOAD, KGF	280	315	345
FOUR BALL WEAR TEST, SCAR DIA-IN MM@1450 RPM, 70°C, 1 HR, MAX,	0.5 MAX	0.5 MAX	0.5 MAX
COPPER STRIP CORROSION AT 100°C FOR 24 HRS, RATING	1A	1A	1A

HEALTHY & SAFETY ENVIRONMENT:- Auto king oil are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standard of industrial and personal hygiene are maintained. For more details contact STERLITE INDIA REPRESENTATIVE

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PRODUCT DATA SHEET



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