



Shell Retinax Grease MDX 1 and 2

Premium Performance Greases with Enhanced Load Carrying Capacity for Off-Highway and Construction applications

Shell Retinax Greases MDX are very high performance greases designed for use in off-highway and construction applications operating under severe conditions and loads. Shell Retinax Greases MDX are based on high viscosity index mineral oil and a lithium complex soap thickener and contains extreme-pressure, anti-oxidation, anti-wear, anti-corrosion and adhesion additives. They also contain 5% molybdenum disulfide to provide resistance to shock loading in severe applications.

Applications

Shell Retinax Greases MDX are recommended for the lubrication of shock loaded heavy duty bearings working in damp hostile conditions.

Particularly suited for use in off-highway applications and for the lubrication bearings, bushings, pivot points and sliding surfaces.

Performance Features

- ***Outstanding mechanical stability***
Maintains its excellent lubrication properties even when subjected to severe vibration. Prevents grease breakdown and leakage.
- ***Effective extreme-pressure properties***
Efficient lubrication of heavily loaded components
- ***Good adhesive properties***
In heavy load and shock conditions
- ***Excellent anti-wear performance under shock load conditions***
Ensures protection of key components at all times

Approvals

Shell Retinax Greases MDX are recommended for the lubrication of major construction equipment including Caterpillar, Komatsu and other major OEMs for applications where use of 5% molybdenum disulfide is recommended.

Operating Temperature Range

From -10°C to 120°C (140°C peak)

Dispensing

Shell Retinax Greases MDX are suitable for dispensing through standard lubrication equipment

Health & Safety

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web:

<http://www.shell-lubricants.com/>.

Advice

Advice on applications not shown on this leaflet may be obtained from your Shell Representative.

Typical Physical Characteristics

Shell Retinax Grease	MDX 1	MDX 2
Product Code	001B9076	001B2308
Bulk	5072180	7114700001
Disposable Tote	-----	5071085/5071275
Drum	5072085	7114702400
Keg	5072086	7114702120
Pail	-----	-----
Case (30-14.1 oz tubes)	5072087	7114730141
NLGI Consistency	1	2
Color	Dark gray	Dark gray
Soap Type	Lithium Complex	Lithium Complex
Base Oil (type)	Mineral	Mineral
Kinematic Viscosity @ 40°C cSt 100°C cSt (ASTM D445)	460 29.0	460 29.0
Cone Penetration Worked @ 25°C 0.1 mm (ASTM D217)	310-340	265-295
Dropping Point °C (ASTM D2265)	240	240
Four-Ball EP Weld Point kgf (ASTM D2596)	400	400
Four-Ball Wear mm 1 hr@ 75°C/40 kgf/1200 rpm (ASTM D2266)	0.5	0.5
Rust Test Distilled Water (ASTM D2266)	Pass	Pass
Copper Corrosion (ASTM D4048)	1b	1b

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.