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AFRIQ XHD 900 OPEN GEAR

DESCRIPTION

XHD 900 Open Gear with its high performance characteristics include very effective load carrying capabilities assisted by inclusion of molybdenum in the formulation. It protects gears from wear during operation and better adherence to working surfaces, thereby keeping the lubricant where it is needed.

XHD 900 Open Gear is a new technology drive away from bitumen, toxic and corrosive chlorinated hydrocarbons and highly flammable hydrocarbon solvents. This drive towards environmental friendliness has been achieved without compromising performance.

APPLICATION

It is designed specifically for draglines, focusing on open gears, rack and pinions; cams and guide rails.

BENEFITS / FEATURES:

- Environmentally friendly: absence of bit mastic material and solvents.
- Better adherence and therefore less fling-off.
- Improved health and safety for staff and environment.
- Lower lubricant consumption and extended application cycles.
- User friendly: easier to clean equipment with less lubricant to clean off and less waste to then dispose of.
- Lower capital, inventory and labour costs.
- Longer component life through reduced wear.
- Reduced thinning: seals against dust ingress under wide temperature changes and operating conditions.
- Does not contain bitumen, chlorinated hydrocarbon solvents or flammable hydrocarbon solvents.
- Excellent high shock load capability.
- Contains Molybdenum as an EP additive, boosting the load carrying capability.
- Strong adherence to open gears racks and pinions, cams guide rails.
- Thixotropic nature allows the lubricants to act as an oil when requires to lubricate and as a grease when not “working’ thus maintaining seal and adherence.



TYPICAL CHARACTERISTICS

PROPERTY	TEST METHOD / SPECIFICATION	XHD 900 OPEN GEAR
Product Code		81031
NLGI no.		0
Density @ 20 °C		0.948
Base oil viscosity @ 40 °C (cst)	ASTM D445 / ISO3140/D2161	1883
Drop Point (°C)		>300
Flash Point (°C)	ASTM D92 / ISO 2592	>200
Copper Strip Corrosion	ASTM D4048, 24 HRS @ 100 (°C)	1a
FZG test (load stage)		>12
Extreme Pressure additive		1600 ppm
Four Ball Wear Scar test	ASTM D2266, 60 min @ 40kgf.	0.45mm
Four Ball Weld Load	ASTM D2596	500kg
Load Wear Index		129
Timken EP Test	ASTM D2509	>60lb.
Pump ability	US Mobility Test, DM 43, test run @ 150 psi	>0.45g/m
Physical Properties		
Colour		Grey/black
Appearance		Opaque
Melting Point		Non Melt