Quality, service, and customer satisfaction is our driving force.

AFRIQ ULTRA DUTY GREASE GP EXTREME

DESCRIPTION

Afriq Ultra Duty GP Extreme is universal solid free extreme pressure greases used for long term lubrication with wide application range. At a given load level, the additives release compounds forming a resistant protective layer on friction surfaces. Under severe load, components of the additive combination are activated and diffuse into the surfaces initiating an improvement of their friction characteristics.

This additive technology provides optimum wear protection and an extremely low co-efficient of friction even under extremes of pressure, vibration, shock loads, at high or low speeds or varying micro-smoothing of the friction surfaces.

FEATURES

- outstanding load carrying capacity
- excellent rust protection, largely prevents fretting corrosion
- easily pumpable in central lubrication systems
- optimum wear protection in high load range
- reduction of running-in period, suitable for lifetime lubrication
- surface improvement to an extent not possible before
- notably decreased co-efficient of friction resulting in energy savings
- reduction of noise levels
- resistant to cold and hot water
- compatible with all conventional sealing materials and nonferrous metals
- smoothing of existing pitting on damaged components

APPLICATION

Specifications of antifriction bearing manufacturers must be followed. Maximum performance only if applied unmixed. Afriq Ultra Duty GP Extreme greases allow production consolidation of previously used lubricating greases; their high efficiency ensures economical use and hence a reduction of lubricant expenses.

USES

For long-term and lifetime lubrication of heavily loaded bearings in motor vehicles, wheel hubs, shaker screens, wood and metal routers, machine tool spindles, spinning spindles, disk drives, high speed looms, robots.

- Full load operation within shortest time, virtually eliminating the running-in period
- Energy savings due to reduced co-efficient of friction, lower temperature of lubricant and component, improvement in operating efficiency
- Reduction of noise resulting from high frequency stick-slip
- Extended lifetime of machine elements and wear parts, lower maintenance and labour costs by minimized wear and friction
- Lower costs for lubricants and waste oil disposal because of significant extensions of both service life and re-lubrication intervals

- For “life” lubrication in some applications
- Product consolidation, i.e. simplification and reduction of lubes and spare parts

For a large field of applications and various difficult operating conditions, i.e., extreme pressures, vibration, shock loads, wide temperature range and components that is prone to fretting corrosion. For constant velocity (CV) joints, ball joints, ball spindles.

TYPICAL CHARACTERISTICS

	1	**2**
Consistency / LGI Grade	1	2
SRV test run, test mode 5ae:		
(300 N, 50 ◦C/122 ◦F, ball/area/2h)		
Co-efficient of friction	0.063	0.070
Colour	Brown	Brown
Thickener Type	Lithium	Lithium
Wear, DIN E51834		
a. Ball/scar Ø (mm)	0.55	0.55
b. Profile depth Pt (µm)	1.0	1.0
Specific Gravity	0.900	0.886
Worked Penetration, ASTM D217, mm/10	310-340	265-295
Pw60		
Prolonged worked penetration		
Pw 100,000 – Pw 60, mm/10, points change	<12	<17
Base oil Viscosity, ASTM D445		
@ 40 ◦C / 104 ◦ F, mm ²/s	93.9	94.9
Dropping Point, ASTM D2265, ◦C/◦F	180/356	180/356
Flow Pressure, DIN 51805, mbar:		
@ -35 ◦C/-31 ◦F	<1220	<1580
Water Resistance, DIN 51807, T.1		
@90 ◦C/194 ◦F	1	1