



Pyroplex Gold

Aluminum Complex Grease

Description

Castrol Pyroplex™ Gold is a uniquely formulated, semi-synthetic, aluminum complex grease that excels in heavily loaded construction, mining, and industrial equipment where extreme operating conditions prevail. Castrol Pyroplex Gold contains a high level of synergistic solids, including 6% molybdenum disulfide, for maximum surface adhesion and added extreme pressure characteristics. It's tough, durable lubricating film will protect all lubricated parts in high shock loads and boundary conditions.

Pyroplex Gold's hydro-activated™ polymers coupled with the aluminum complex thickener and carefully selected semi-synthetic base fluids provide optimum "stay-in-place" ability and performance in the presence of very wet and or high humidity environments. The advanced formulation couples extreme pressure performance and "stay-in-place" ability in selected applications with outstanding mobility through all seasons.

Pyroplex Gold (NLGI 2) has assured pumpability in most cold environments that eliminates the traditional approach of changing to a NLGI 1 grade in winter. Castrol Pyroplex Gold has exceptional extreme pressure and high temperature performance as demonstrated through field test conditions and the Timken and Four-Ball Weld tests.

Application

Castrol Pyroplex Gold will excel in multiple bearing applications, sliding applications, bucket pins, highly shock loaded areas, and asphalt paver auger bearings where extreme pressure and high heat exist.

Advantages

Castrol Pyroplex Gold delivers:

- Extreme pressure and anti-wear performance especially in highly shock loaded areas.
- 6% molybdenum disulfide solids.
- Semi-synthetic basestock for unique cold flow and pumping capabilities.
- Excellent thermal stability with a high dropping point
- Enhanced "stay in place" technology with hydro-activated polymers providing very low water spray off rates

Typical Characteristics

Name	Method	Units	Pyroplex Gold 1	Pyroplex Gold 2
Thickener Type	-	-	Aluminum Complex	Aluminum Complex
Color	Visual	-	Gold	Gold
Appearance	Visual	-	Tacky	Tacky
Penetration @ 77 EF, Worked Grease , 60 Strokes	ASTM D217	-	330	275
Viscosity, Kinematic @ 40°C	ASTM D445	mm ² /s	134	232
Viscosity, Kinematic @ 100°C	ASTM D445	mm ² /s	15	23
Dropping Point	ASTM D2265	°F	500	500
Four Ball Wear Scar	ASTM D2266	mm	0.4	0.39
Four Ball EP Properties, Weld Point (Kg)	ASTM D2596	Kg Load	800	800
Timken OK Load	ASTM D2509	lb	70	70
Water Spray Off, Grease Loss	ASTM D4049	% wt	30	15
Corrosion Prevention	ASTM D1743	-	Pass	Pass
Copper Corrosion	ASTM D4048	-	1A	1A
Wheel Bearing Life	ASTM D3527	hrs	140	140
Mobility @ 77°F	USS	g/min	1810	624
Mobility @ 60°F	USS	g/min	908	305
Mobility @ 40°F	USS	g/min	670	85
Mobility @ 0°F	USS	g/min	50	12

Subject to usual manufacturing tolerances.

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