



Industrial
Lubricants



Automotive
Lubricants



Biodegradable
Lubricants



Agricultural
Lubricants



Cleaning &
Maintenance



**Greases &
Pastes**



Foodsafe
Lubricants



Heritage Oils



Lubrication
Equipment



Metalworking
Fluids



Penstral GX 470

Lithium Complex Grease Containing PTFE Additives
Product Code: ARV

Product Description

Penstral GX 470 is a high performance lithium complex thickened grease. The product is manufactured using the latest extreme pressure (EP), anti wear, anti oxidant and corrosion inhibiting additives which are designed to reduce wear, improve grease performance and extend component life.

Penstral GX 470 is suitable for the lubrication of mechanical parts in a wide range of applications including; guide tracks and sliding surfaces on overhead gantrys, telehandlers and crane jibs fitted with wear pads. The inclusion of PTFE helps to increase lubricity and reduce drag and power consumption.

The universal formulation of Penstral GX 470 is suitable for use in a variety of applications throughout numerous industries including agricultural, automotive, construction, commercial automotive, forestry, industrial and marine.

Features & Benefits

- Outstanding resistance to water washout
- Excellent load bearing properties and wear resistance against shock loads
- Good resistance against oxidation at high temperatures
- Extended relubrication intervals compared to standard greases
- Inclusion of PTFE reduces damage caused by the ingress of dust/dirt

Method Of Application

Penstral GX 470 can be applied by hand, or by using a standard grease gun (400g cartridges available), or via a central lubricating system designed for and capable of pumping an NLGI No.2 grease; consult a qualified centralised lubrication systems engineer before installation.

As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge bearings prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the bearing manufacturer.





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Properties	Specification	Results
Appearance	-	Smooth Grease
Colour	-	Light Brown / Beige
NLGI classification	-	2.5
Thickener	-	Lithium Complex
Base oil	-	Mineral
Base Oil Viscosity @ 40°C	cSt	150
Worked penetration	IP50	240 - 270
Dropping point (°C)	IP132	>260°C
Four Ball Weld Load, 10s	kgf	450
Four Ball Wear Scar, 40kg, 1 hour	mm	0.61
Copper corrosion	ASTM D4048	1a
Corrosion	ASTM D1743	Pass
Water washout @ 79°C 1 hour %	ASTM D1264	<5.8
Operating temperature range	-	-30°C to 150°C

Availability

Pennine Penstral GX 470 is available in 180kg Barrels, 50kg and 12.5kg kegs & 400g cartridges.

Storage

Barrels of lubricant should always be stored in such a way that will prevent the ingress of water when stored in the open.

Health and Safety

Please refer to the relevant Health and Safety Data Sheet, a copy of which is freely available to all our customers.

Data represented is typical of that obtained with normal production tolerances and does not constitute a specification. The policy of Pennine Lubricants is one of continual improvement; we therefore reserve the right to change specifications without notice.

