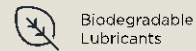


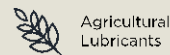
Industrial Lubricants



Automotive Lubricants



Biodegradable Lubricants



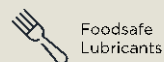
Agricultural Lubricants



Cleaning & Maintenance



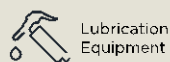
Greases & Pastes



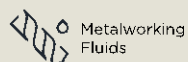
Foodsafe Lubricants



Heritage Oils



Lubrication Equipment



Metalworking Fluids



## Penstral GT 460

Premium Performance Lithium Complex Grease

**Penstral GT 460** is a heavy duty grease for lubricating anti-friction and plain bearings operating under high load and/or high temperature conditions found in such industries as steel works, quarries, animal feed pelletisers, heavy plant machinery, dock side, off shore, fishing, etc. **Penstral GT 460** is fortified using the latest technology including extreme pressure, anti-wear, antioxidant, and corrosion inhibiting additives, to give exceptional performance. Providing extended lubrication intervals, especially under arduous conditions and at high operating temperatures, this highly adhesive grease also provides excellent sealing properties against ingress of moisture, dirt, and dust, resulting in extended component life.

### Features

- Exceptional mechanical stability extends relubrication intervals
- Excellent oxidation stability provides lasting lubrication at high temperatures
- Excellent load bearing properties and anti-wear performance
- Good corrosion resistance protects components operating in wet and arduous conditions
- Based on high viscosity mineral oil giving extreme film strength at low speeds, and excellent sealing properties to reduce damage caused by ingress of dirt and dust

### Method of Application

**Penstral GT 460** can be applied manually, or by using a standard grease gun (400gm cartridges available). 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.

| Properties                        | Specification | Results         |
|-----------------------------------|---------------|-----------------|
| Appearance                        | -             | Smooth grease   |
| Colour                            | -             | Beige           |
| NLGI classification               | -             | 2               |
| Thickener                         | -             | Lithium complex |
| Base oil                          | -             | 460 cst         |
| Worked penetration                | IP50          | 265-295         |
| Dropping point (°C)               | IP132         | 250 min         |
| Oil separation (%)                | IP121         | 5 max           |
| Copper corrosion                  | IP112         | Pass            |
| Resistance to corrosion Emcor (a) | IP 220        | 0:0             |
| Water washout @ 39°C %            | ASTM D1264    | 3               |
| Four Ball Weld Load (kgs)         | IP 239        | 500             |
| Operating temperature range       | -             | -20°C to 150°C  |



Certificate Number: 9480  
ISO 9001



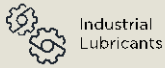
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Industrial  
Lubricants



Automotive  
Lubricants



Biodegradable  
Lubricants



Agricultural  
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Cleaning &  
Maintenance



**Greases &  
Pastes**



Foodsafe  
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Heritage Oils



Lubrication  
Equipment



Metalworking  
Fluids



## Penstral GT 460

Premium Performance Lithium Complex Grease

### Availability

Pennine Penstral GT 160 is available in 180kg Barrels, 50kg and 12.5kg kegs, 3kg and 500g tins, 400 g cartridges & Lube Shuttle 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.



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