Ropes are like any other machine and to achieve maximum operating life in service lubrication must be applied.

The type of service lubricant and frequency of application varies with the rope construction the operating conditions and its functional application.

Bridon’s unequalled experience in the world of wire rope manufacture and many years spent in the development of specialist in service lubricants have been used in the formulation of the Brilube range of products.

Brilube’s advanced formulation with proven performance helps to get the best from your rope.

Brilube 30, 40 and 50 can be applied by brush, drip feed or portable pressurised sprayer.

Brilube 60 and 70 can be pressure applied using in-line application systems which are available to suite a wide range of rope sizes and constructions. These systems operate by forcing the lubricant into the rope under high pressure, whilst simultaneously cleaning the rope and removing the moisture, residual lubricant and contaminants.

- Advanced corrosion protection
- High lubricity
- Reduced fling off
- Enhanced rope life
- Effective penetration
- Easy Application

<table>
<thead>
<tr>
<th>Composition</th>
<th>30</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
</tr>
</thead>
<tbody>
<tr>
<td>petroleum/oil base</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>petroleum thixotropic gel</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>synthetic</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>biodegradable</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

- Excellent penetration
- Excellent corrosion protection
- Stable over wide temperature range
- Slip resistant
- Minimise fling off
- Semi-dry thin film
- Water repellent

Brilube Health & Safety Recommendations

General Precautions

**DO**
- Keep away from heat and open flame
- Keep container closed
- Store under cover
- Ensure maximum temperature 25°C
- Keep away from food and drink
- Avoid prolonged and frequent skin contact and ensure good standards of personal hygiene

**DO NOT**
- Keep oily rags in pockets or wear contaminated clothing
- Inhale fumes or vapours
- Swallow

Fire Extinguishing Media
- Carbon dioxide, dry chemicals, foam

Spillage
- Soak up with absorbent clay

Waste Disposal
- Burn or dispose of in an approved area
- Do not allow to contaminate water supplies

Typical wire rope bend fatigue results

<table>
<thead>
<tr>
<th>Cycles to Failure</th>
<th>0%</th>
<th>50%</th>
<th>100%</th>
<th>150%</th>
<th>200%</th>
</tr>
</thead>
<tbody>
<tr>
<td>As manufactured</td>
<td>100%</td>
<td>35%</td>
<td>100%</td>
<td>160%</td>
<td>150%</td>
</tr>
<tr>
<td>Dry</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>As manufactured with Brilube service dressing</td>
<td></td>
<td></td>
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</tbody>
</table>
BRILUBE 30 - a semi-dry thin film lubricant with excellent penetration and corrosion resisting properties.
Formulated for frequent use in harsh working conditions, whilst minimising lubricant build-up and abrasive particle contamination.
Effective operating range -30°C to +60°C
Minimum application temperature -5°C

BRILUBE 40 - a synthetic lubricant which deposits a slip-resistant film on the wire surfaces.
Formulated for use where frictional grip is vital, it provides internal lubrication whilst avoiding excessive build-up with repeated applications.
Effective operating range - 80°C to +40°C
Minimum application temperature - 5°C

BRILUBE 60 - a medium thixotropic gel lubricant with excellent corrosion protection and stable properties over a wide temperature range.
Formulated for long life on static or dynamic ropes.
Effective operating range - 55°C to +100°C
Minimum application temperature - 20°C

BRILUBE 50 - an oil based lubricant with additives to increase adherence and enhance corrosion protection. It has excellent penetration and lubrication properties for working ropes in normal industrial environments.
Formulated for overhead cranes, hoist ropes and similar working ropes, where fatigue is the major factor in rope deterioration.
Effective operating range - 70°C to +30°C
Minimum application temperature -25°C

BRILUBE 70 - a medium thixotropic gel lubricant with stable properties over a wide temperature range offering corrosion protection against marine working conditions.
Formulated for long life on static or dynamic ropes in highly aggressive environments.
Effective operating range - 55°C to +100°C
Minimum application temperature -20°C

Dockside Cranes
Fishing Ropes
Mine Winders (Koepe or drums)

BRILUBE ADVANCED ROPE DRESSINGS
Brilube Advanced Rope Dressings

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