



WIROGREASE TC

WIRE ROPE AND OPEN GEAR LUBRICANT

WIROGREASE TC is a carbon black and polymer thickened open-gear liquid Carbon lithium grease with excellent adhesion and anti-corrosion properties.

It has an operating temperature range from -20°C to 200°C.

Over the years, the composition of open gear lubricants has changed to meet new environmental regulations.

By now, most lubricant manufacturers have developed open gear lubricants, commonly known as semi fluid grease-based products, to replace the solvent diluted asphaltic compounds (cut-back) that were used for many years.

The reason for the change is that the EPA identified the preferred solvents for elimination. This forced a major shift in thinking about the use of diluents (cut-back) products.

The different composition of these products has created new challenges with respect to applying the product. In many cases, application alone can turn a good product into a great product.

When using grease-based open gear lubricants, there are three elements to consider in achieving an optimum lubricant film:

1. The adhesive properties of the product - The ability of the product to stick to the component.
2. The cohesive properties of the product - The ability of the product to stick to itself.
3. And finding the balance between these two properties .



WIROGREASE TC Open Gear Greases are formulated with high viscosity mineral oils in a nonsoap-based thickener.

These greases Carbon lithium and are extremely tacky.

WIROGREASE TC Open Gear Greases contain special functional fillers such as **molybdenum disulfide and graphite**, which impart a long-lasting film on working surfaces.

They also contain tackiness additives, wetting agents and rust inhibitors to protect metal surfaces.

WIROGREASE TC Open Gear Greases are recommended:

- For all open gears in industrial, mining, construction, and marine equipment
- For chain, wire rope, cable sling and sprocket lubrication :
 1. To reduce friction as the individual wires move over each other.
 2. To provide corrosion protection and lubrication in the core and inside wires and on the exterior surfaces.

WIROGREASE TC is also an effective lubricant for the 'fifth-wheel' of articulated vehicles.

GRADE	UNIT	WIROGREASE
Based Oil Viscosity		
40° C	mm²/s	680
100°C		39
Thickener		Carbon Black/Polymer with Mos2 + Graphite
Texture		Tacky
Colour		Black
Density @15°C	Kg/L	1,009
Flash Point	°C	>130
Drop Point	°C	330
Work Penetration 60 strokes @ 25 °C	0.1mm	265/295
Timken OK Load	1b	60
Rusting Test	Rating	0
4Ball EP test	N	>6500



The above figures are typical of those obtained with normal production tolerances and do not constitute a specification.