

# TECHNICAL DATA REPORT

HS 4500

## MEL 500 EP Grease for High Temperature and Pressure

### DESCRIPTION:

MEL 500 EP is a NLGI grade 2, new generation lubricant obtaining exceptional results to high load and temperature resistance (dropping point 300°C). Special additives were also added to insure a maximum protection against oxidation and corrosion.

### PURPOSE:

Grease for applications at high and low temperatures, where excellent resistance to extreme pressure, oxidation and corrosion is required. Recommended for all vehicles and equipment.

### HOW TO USE:

For the lubrication of all types of vehicles, industrial equipment, including farm equipment, and in particular for chassis, wheel bearings, universal joints, anti friction rotations, electric motor bearings and conveyers. Use especially where an extreme pressure and high temperature resistant product is required.

### MAIN USERS:

Machine shops, mines, transport companies, garages, ready-mix companies, excavation contractors, paper mills, lumber and saw mills, refineries, etc.

### ADVANTAGES:

- 1) Can be used between -35°C and 200°C.
- 2) Performs well under heavy loads, contains EP additives.
- 3) Resists water wash-out and is stable in the presence of live steam.
- 4) Excellent resistance against oxidation.
- 5) Made with polymers - reduced friction at high shear rates such as bearings.
- 6) Longer service life than most other greases, reduces labour costs.

### PRECAUTIONS:

MEL 500 EP is not a controlled substance under W.H.M.I.S.  
Read Material Safety Data Sheet.

### SPECIFICATIONS:

Dropping point	300°C
Worked penetration (60 strokes)	270
Worked penetration (100,000 strokes)	272
Base oil viscosity	139 cSt @ 40°C
Corrosion resistance (ASTM D-1743)	1,1,1
Four ball rolling resistance (ASTM D-2509)	0.44
Washout, % loss at 79°C (ASTM D-1264)	2.75
Timken OK load	70 lbs.