



# LUBRICANTS™

## POWER TO PERFORM™

## PARTHAN PG 460

### INDUSTRIAL GEARBOX OILS

#### SPECIAL FEATURES

PARTHAN PG grades are a range of Polyalkylene Glycol based synthetic lubricants, which provide outstanding load carrying properties and excellent thermal stability. They have been purpose designed to provide excellent thermal stability. They have been purpose designed to provide excellent corrosion protection. (ASTM D 665 Procedure B pass) and demulsibility characteristics (according to ASTM D 1401).

#### APPLICATIONS

PARTHAN PG Grades allow thermally stable operation at temperatures in excess of 200°C. Typical applications include lubrication of calenders, piston compressors, bevel, spiral bevel, helical, spur and worm gear units. The lubricants are free of Chlorine, sulphur and metal based additives including lead. They remain homogeneous from below their pour point to temperatures in excess of 250°C. The anticipated service lifetime of all grades is substantially in excess of 10,000 hours at 100°C. In industrial enclosed gear units, the performance allows for extended drain intervals and, in some cases, for operation as a "Fill for Life" Lubricant.

The product conforms to DAVID BROWN standard, exceeds DIN 51517 Part 3.

#### PHYSICO-CHEMICAL PROPERTIES

Kinematic Viscosity, cSt @ 40°C	433
Kinematic Viscosity, cSt @ 100°C	63.7
Viscosity Index	220
Pour Point, °C	-28
Flash Point, PMCC, °C	225
Neutralisation Number, mg KOH per gm oil	1.15
Oxidation Stability, Total Oxidation Products, %	0.500
Load Carrying Capacity, FZG Failure Load (A/8.3/90)	>13
Timken OK Load, lbs	35
Weld Load, kg	170
Copper Strip Corrosion, 3hrs @ 100°C	1a
Rust Test	
Procedure A	Pass
Procedure B	Pass
Volume of Foam, ml	
Sequence I	0/0
Sequence II	0/0
Sequence III	0/0
Air Release @ 90°C, min	25
Demulsibility @ 82°C	0
Emulsion (ml)	40
Free Water (ml)	