



# LUBRICANTS™

POWER TO PERFORM™

## PARTHAN EE RANGE

HP ENERGY EFFICIENT GEAR OILS

### SPECIAL FEATURES

Superior quality extreme pressure type industrial lubricating oils for gears & bearings operated under very heavy & shock load conditions, particularly in the temperature range upto 107°C.

HPCL PARTHAN EE Series are energy efficient variation of the regular PARTHAN EP series to assist in reducing the energy consumption & also wear thereby resulting in considerable savings for an industrial application.

### SPECIFICATIONS

Meets IS 8406 : 1993, USS 22, AGMA 250.04, DIN 51517 Part 3 and IPSS I-09-003-97

### PHYSICO-CHEMICAL PROPERTIES

	220 EE	320 EE	460 EE	680 EE
Appearance	Dark	Dark	Dark	Dark
Density @ 29.5°C, g/cc	0.896	0.899	0.901	0.903
Flash Point, COC, °C	220	220	230	230
Corrosion Cu STRIP @100°C, 3 hrs	1	1	1	1
Pour Point, °C	-9	-9	-6	-3
Emulsion @ 82°C, 30 Min 60 Min	40-40-0	40-40-0	40-40-0	40-40-0
Foam Test				
Seq I	100/0	100/0	100/0	100/0
Seq II	50/0	50/0	50/0	50/0
Seq III	100/0	100/0	100/0	100/0
Rust Test A / B	Pass	Pass	Pass	Pass
Viscosity @ 40°C, cSt	210-230	300-340	440-475	625-700
Viscosity Index	90	90	90	90
Four Ball Weld Load, kg	315	315	315	315
FZG, A/8.3/90, Pass	12	12	12	12
Demulsification				
Water In Oil %	1.0	1.0	1.0	1.0
Free Water, ml	80	80	80	80
Emulsion	1.0	1.0	1.0	1.0