



# LUBRICANTS

POWER TO PERFORM

## PARTHAN EP SA SERIES SYNTHETIC GEAR OIL INDUSTRIAL GEARBOX OILS

### SPECIAL FEATURES

PARTHAN EP SA is a new generation synthetic extreme pressure gear lubricant specifically developed for lubricating the heavily-loaded gearboxes and rolling element bearings of industrial gear boxes.

PARTHAN EP SA shows superior performance in the FAG FE-8 Test. PARTHAN EP SA is compatible with most sealants and bearing materials used in industrial applications and recommended for use in heavily loaded step-up spur/ helical/herringbone/bevel/planetary gearboxes. PARTHAN EP SA oils can replace mineral based gear oils leading to lower operating temperature and efficiency improvement.

PARTHAN EP SA has been specially formulated with new generation extreme pressure additive which is chlorine free and offers long term protection against rust and corrosion while simultaneously keeping gear parts clean and also ensuring good filterability. Premium antioxidants supplemented by the synthetic base used provide extra long service life in applications.

### SPECIFICATIONS

Product exceeds the requirements of DIN 51517 Part III. PARTHAN EP SA Grades are available in ISO VG 220 to ISO VG 460.

PARTHAN EP SA Series is available in barrel sizes of 210 Litres.

PARTHAN EP SA is approved for use in Flender Gear Units as per their latest bulletin T 7300.



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### PHYSICO-CHEMICAL PROPERTIES

	PARTHAN		
	EP SA 220	EP SA 320	EP SA 460
ISO Grade	220	320	460
AGMA Grade	5 EP	6 EP	7 EP
Specific gravity @ 15.6°C	0.854	0.861	0.872
Density @ 15°C, g/cc	0.856	0.862	0.877
Colour, ASTM D 1500	0.5	0.5	0.5
Flash Point, COC, °C	220	234	240
Pour Point, °C	-37	-36	-36
Kinematic Viscosity, cSt, 40°C	219	313	458
Kinematic Viscosity, cSt, 100°C	26.4	36.3	47.3
Viscosity Index	154	167	162
Total Acid Number, mg KOH/g	0.64	0.61	0.67
Cu Strip Corrosion, 3 hrs, 100°C	1 b	1b	1b
Four Ball wear scar dia, mm.	0.29	0.29	0.27
Four Ball Weld load, kg	250	250	250
FZG Gear test, PLS	> 12	> 12	> 12
Rust Test A&B	Pass	Pass	Pass