

PRODUCT DATA SHEET



INDUSTRIAL GEAR LUBRICANTS – EP TYPE

PAL INGOL EP – 32, 68, 100, 150, 220, 320, 460, 680

These are industrial extreme pressure gear lubricants, specially developed for the lubrication of heavily loaded enclosed gear sets including spur, helical and bevel designs and provide protection in applications where shock loading occurs. PAL Ingol EP has high load carrying ability, protection against wear; helps to reduce sludge formation and increases oil service life. Further these oils provide strong protection against corrosion of steel and copper containing alloys and resists foaming besides having good water separation properties for easy water elimination.

These oils are formulated with high quality base stocks and carefully selected sulphur/phosphorus extreme pressure additive to provide high level of anti-wear & E.P. properties.

Recommended for use in a wide range of heavy duty enclosed and semi-enclosed gear systems having spur/straight bevel/spiral bevel/worm/herring-bone/helical types of gears, industrial, plain and roller bearings, sliding surfaces, chain drives, sprockets, flexible coupling etc. especially operating at low speeds and high loads for continuous service up to 110°C.

These are **not suitable** for foods and drug industries and those required to be operated under extremely severe and hostile environment viz. gear drives operating at speed over 3600 rev/min and/or pitch-line velocities exceeding 1500m/min and Lubricant's sump temperatures generally exceeding 110°C.

PERFORMANCE LEVEL: IS 8406-1993 (EP Type Gear Lubricants), DIN 51517 Part-3, Cincinnati Milacron P-35,P-59,P-63,P-77, IPSS 1-09-003 and US Steel 224 specifications.

CHARACTERISTICS									
S. NO.	PROPERTIES	PAL INGOL - EP							
		32	68	100	150	220	320	460	680
1.	Kinematic Viscosity, cSt @40°C	29-35	64-72	90-110	140-160	200-240	300-340	440-480	650-710
2.	Viscosity Index, min.	90	90	90	80	80	80	70	70
3.	Flash Point, COC, °C, min.	180	180	180	180	200	200	240	240
4.	Pour Point, °C, max.	-6	-6	-6	-6	-6	-6	-3	-3

* The specifications are subject to variations/ development / customization.

PACKING: 210L, 50L, 20L