

GEARLUBE EPF

GEARBOX OIL HDC Series are heavy-duty extreme-pressure multigrade gear oil, developed to meet the most severe Petromin Gearlube EPF Oil Series is extra high performance, heavy-duty industrial gear oils having outstanding extreme pressure characteristics and load carrying properties, intended for use in all types of enclosed gear drives with circulation or splash lubrication system under severe service conditions. They have friction-modifying characteristics that reduce power consumption and lower bulk oil temperature.

Petromin Gear lube EPF Oil Series are formulated from high quality; high VI base oils selected for their excellent oxidation stability. They have excellent water separating properties and they are strongly resistant to foaming in service. Additives are incorporated which provide anti-wear properties, rust and corrosion protection.

BENEFITS

- Excellent load-carrying capacity.
- Outstanding anti-wear properties.
- Excellent oxidation stability.
- Rust and corrosion protection.
- Excellent lubricity & good anti foam properties.
- Effective demulsibility for rapid water separation.
- Resistance to micro-pitting.

PERFORMANCE LEVEL

Petromin Gearlube EPF has the following Builder Approvals:

- Siemens MD Flender Gears
- Petromin Gearlube EPF meets or exceeds the requirements of:
- ISO 12925-1 CKC/CKD
 - David Brown S1.53.101
 - U.S. Steel 224
 - DIN 51517 Part 3
 - AGMA 251.02
 - AGMA 9005-E02

APPLICATIONS

Petromin Gearlube EPF Oil Series is recommended for industrial enclosed gear drives for both circulation and splash systems. They are particularly recommended for gear sets operating under heavy or shock load such as spur, helical, spiral, worm and bevel gear drives.

Specific application include; Industrial gearing for conveyors, agitators, dryers, fans, mixer, presses, pulpers, pumps, screens, extruders and other heavy duty application.



PRODUCT DATA SHEET

PRODUCT CHARACTERISTICS*

PROPERTIES	UNITS	VALUE				TEST METHOD
ISO Grade	-	150	220	320	460	DIN 51511
AGMA Lubricant Number	-	4EP	5EP	6EP	7EP	-
Specific Gravity @ 15 °C	-	0.892	0.896	0.901	0.904	ASTM D-4052
Viscosity @ 40 °C	mm ² /s	141.7	219.8	315.0	475.8	ASTM D-445
Viscosity @ 100 °C	mm ² /s	14.26	26.04	26.04	31.0	ASTM D-445
Viscosity Index	-	98	100	100	96	ASTM D-2270
Flash Point, COC	°C	254	256	260	280	ASTM D-92
Pour Point	°C	-15	-12	-9	-9	ASTM D-97
Color	-	2.5	L 3.0	L 3.5	L 3.5	ASTM D-1500
Copper Strip Corrosion 3 hrs@ 100 °C	-	1A	1A	1A	1A	ASTM D-130
Timken OK Load	Lb	60	60	70	70	-
FZG Scuffing, Stage Passed	Stage	12+	12+	12+	12+	DIN 51544
Product Code		3130	5450	5470	5310	

*The information and figures given here are typical of current production and conform to specification, minor variations may occur.

