

**Description**

"SPL" GEREX EP is a series of excellent quality gearbox oils specially designed for severe duty applications. They are blended with sulphur-phosphorous type additives and are made out of highest quality based stocks to give outstanding oxidation stability, high VI, extreme pressure characteristics and a tough adherent film.

**Application**

It is recommended for use in industrial enclosed gear drives with circulation or splash lubrication systems operating under high load, shock load and other severe service conditions. These are also recommended for the lubrication of oil lubricated, flexible coupling, heavily loaded bearings and chains.

**Benefits:**

- Outstanding extreme pressure property.
- Provides longer service life.
- Reduces sludge and deposit formation.
- Excellent high temperature stability
- Good water separation characteristics makes these gear oils an excellent choice for use in gear lubrication systems where high water ingress is encountered.

**Performance Standards:**

IS:8406:1993, API GL-4, MIL-L-2105.

**Typical Technical Specification**

ISO VG GRADE	32	46	68	100	150	220	320	460	680
API GRAVITY	0.86 to 0.91								
Kinematic Viscosity, cSt @ 40°C, (Min.)	30-36	40-48	62-74	90-110	135-165	198-242	288-352	414-506	612-748
Viscosity Index, (Min.)	90	90	90	90	90	90	90	90	90
Copper Corrosion	1	1	1	1	1	1	1	1	1
Flash Point, °C, (COC), (Min.)	198	208	216	220	230	240	242	254	260
4 Ball, EP Test, Weld Load, Kgs.	250	250	250	250	250	250	250	250	250
Rust Prevention	Passes								

**Description**

"SPL" GEREX ZN is a series of highest quality industrial "extreme pressure gear oil," specially designed for heavy-duty applications. They are blended with extra refined base stocks and selected additives like anti-oxidant, anti-wear and anti-foam. These gear oils are formulated considering the requirements of heavy-duty industrial gearboxes.

**Application**

It is used in a wide range of industrial and marine applications, especially spur, helical, bevel and worm gearing under heavy loaded conditions. It can also be used in non-gear applications, including shaft couplings, screws and heavily loaded plain and rolling contact bearings operating at slow speeds.

**Benefits:**

- Excellent extreme pressure properties resulting in increased energy efficiency.
- Exhibits excellent anti-wear properties.
- Longer oil life translating into cost savings.
- Low pour point maintains performance in severe climatic conditions.
- Excellent demulsibility characteristics.
- Higher viscosity index ensures stronger oil film at higher temperatures to reduce wear.

**Performance Standards**

IS:8406:1993, API GL-4, MIL-L-2105.

**Typical Technical Specification**

ISO VG GRADE	32	46	68	100	150	220	320	460	680
API GRAVITY	0.86 to 0.91								
Kinematic Viscosity, cSt @ 40 °C, (Min.)	30-36	40-48	62-74	90-110	135-165	198-242	288-352	414-506	612-748
Viscosity Index, (Min.)	100	100	100	100	100	100	100	100	100
Copper Corrosion	1	1	1	1	1	1	1	1	1
Flash Point, °C, (COC), (Min.)	198	208	216	220	230	240	242	254	260
Pour Point	-24	-24	-21	-21	-18	-18	-15	-12	-12
Rust Prevention	Passes								

**Description**

"SPL" GEREX SP Series are premium grade industrial gear oils formulated from solvent refined based stocks, enriched with several performance additives to provide properties like good oxidation, chemical stability, protection against wear, corrosion and smoother gear operation even under critical operating conditions. These gear lubricants bear excellent extreme pressure characteristics to prevent gear failure under load bearing condition.

**Application**

"SPL" GEREX SP Series is recommended for use in all type of enclosed industrial gear drives. It also finds wide application in gearboxes in steel rolling mills.

**Benefits:**

- Protection against wear, rust and corrosion.
- Excellent load bearing property.
- Longer lubricant life due to good oxidation & chemical stability.
- Good water separating capability.

**Typical Technical Specification**

GRADE	90*	140*	150**	220**	320**	460**
Appearance	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear
Kinematic Viscosity, cSt @100°C	18.5	29.5	150	220	320	460
Viscosity Index	93	92	93	92	90	90
Flash Point °C, (COC)	224	228	220	224	228	236
Pour Point °C	-6	-6	-6	-6	-3	-3
Foaming Characteristics						
Seq. I	NIL	NIL	NIL	NIL	NIL	NIL
Seq. II	NIL	NIL	NIL	NIL	NIL	NIL
Seq. III	NIL	NIL	NIL	NIL	NIL	NIL

\* SAE

\*\* ISO VG Grade