



PTT DRIVERA SYNTHETIC S

Fully Synthetic Industrial Gear Oil

Descriptions

- PTT DRIVERA SYNTHETIC S-220, 320, 460, 680 : are fully synthetic industrial gear oils. They are produced from high quality synthetic hydrocarbon basestocks, which exhibits excellent oxidation and thermal stability, enhanced load carrying capability and extended service life. PTT Drivera Synthetic S-220, 320, 460, 680 are carefully formulated with advanced additive technology to protect gear surface under heavy load or extreme condition.

Special Properties

- High viscosity index which provide better gear protection over a wide temperature range.
- Excellent oxidative and thermal stability which extend oil life
- Outstanding in terms of rust and corrosion protection.
- High load carrying capability and low traction coefficient which minimize micropitting on gear teeth and provide energy saving.

Applications

- Suitable for use in spur, helical, bevel industrial gear type.
- Recommend for higher operating temperature applications compare to conventional lubricants
- **Not recommend** for worm gear units and worm geared motor

Reference Standards

- Flender Rev.13 (Siemens)
- AGMA 9005-E02
- US STEEL 224
- DIN 51517 Part 3
- David Brown S1.53.101 Type E
- Cincinnati Machine

Typical Values

	220	320	460	680
- Density @ 15°C, kg/dm ³	0.859	0.858	0.861	0.864
- Viscosity @ 40 °C, cSt	223.4	326.5	462.7	685.1
- Viscosity @ 100 °C, cSt	26.11	35.28	47.05	65.23
- Viscosity Index	149	153	159	167
- Flash Point, °C	240	242	248	254
- Pour Point, °C	-45	-42	-40	-39
- Foaming, Seq I, (ml/ml)	0/0	0/0	0/0	0/0
Foaming, Seq II, (ml/ml)	0/0	0/0	0/0	0/0
Foaming, Seq III, (ml/ml)	0/0	0/0	0/0	0/0
- FZG Scuffing Load Test (A/8.3/90)	14	14	14	14
- Four-Ball Weld Load, kg	250	250	250	250

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