



PGS 300

Synthetic Gear Oils

Product Description

ASV® PGS 300 series synthetic gear oils are highly effective high temperature extreme pressure industrial gear oils based on polyalkylene glycol fluids for providing high performance under severe operating conditions.

Formulated with a selected blend of synthetic additives for high load carrying, high temperature oxidation and corrosion protection, these oils are designed for maximum performance under the most demanding operating conditions. High degree of thermal & oxidation stability allows for extended lubrication, increase in re-lubrication intervals and reduction in lubricant costs.

ASV® PGS 300 series synthetic gear oils are highly shear stable, reduce maintenance costs, extend life of the equipment as well as drain intervals. The superior extreme pressure & friction reducing agents prevent welding, scuffing and galling of gear teeth, even under shock load conditions. Very low pour point ensures excellent low-temperature fluidity while eliminating delay due to start-up problems.

Applications

For the lubrication of gears under high temperatures and heavy loads such as all types of conical, spur and worm gears, toothed couplings, heavily loaded plain and roller bearings for providing heavy duty, extreme pressure and long lasting lubrication in heavy engineering and manufacturing plants.

Benefits

- Fully synthetic formulation reduces gear tooth wear and protects gear teeth from galling, scuffing and welding
- Improve gear efficiency and energy saving by way of lesser power consumption
- Excellent extreme pressure protection
- No lead based additives
- Outstanding thermal, oxidative and aging stability
- Reduce lubricant consumption
- Prolong oil change intervals and extended drains
- Provide high temperature lubrication and protection from wear
- Very good viscosity and high temperature relationship
- Superior EP additives provide excellent load carrying
- Possess very high shear stability
- Increase service life of equipment
- Reduce maintenance costs and downtime
- Provide complete protection from rust and corrosion
- Low foaming tendencies
- Exceptional low pour point ensure low temperature fluidity
- Compatible with all commonly used elastomers, gaskets and sealing materials
- Neutral towards ferrous and most non-ferrous metals

Note

ASV® PGS 300 series synthetic industrial gear oils are not miscible with mineral oils, synthetic hydrocarbons or ester based fluids.

Before conversion to ASV® PGS 300 series synthetic industrial gear oils, it is recommended to clean and flush the gears and lubrication points.

Most seals and gasket materials are unaffected by these gear oils. However, it is advisable to check individual compatibility prior to use.

Some paints might be attacked by these gear oil. It is recommended to check by testing the compatibility of paints in contact with the selected lubricants.

Technical Information

PGS 300

Synthetic Gear Oils

Technical Properties

	Test Method	PGS 300/150	PGS 300/220	PGS 300/320	PGS 300/460
Appearance	Visual	Oily fluid	Oily fluid	Oily fluid	Oily fluid
Type	Visual	Polyglycol	Polyglycol	Polyglycol	Polyglycol
Operating Temperature	 -30 to +160 (short peaks to +180)			
Color	Visual	Pale yellow	Pale yellow	Pale yellow	Pale yellow
Viscosity at 40°C, mm ² /s	ASTM D 445	135-165	190-230	290-350	410-470
Viscosity at 100°C, mm ² /s	ASTM D 445	18-22	30-38	50-58	70-78
ISO VG Grade		150	220	320	460
Viscosity index, min	ASTM D 2270	197	202	209	233
Density, g/cc	ASTM D 1298	>1	>1	>1	>1
Flash point ° C	ASTM D 92	> +270	> +270	> +270	> +270
Pour point ° C	ASTM D 97	-38	-38	-32	-32
Copper strip corrosion test	ASTM D 130	1a	1a	1a	1a
Rust Protection, distilled water	ASTM D 665	Pass	Pass	Pass	Pass

Available Packaging

- 5 liter, 30 liter container

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Shelf Life

36 months from date of manufacture in sealed condition

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from ASV or your local ASV distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV® product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.

ASV MULTICHEMIE PRIVATE LIMITED

Registered Office: W 46, TTC Industrial Area, MIDC Rabale, Navi Mumbai-400 701, INDIA

Tel: +91 (022) 2764 2514 | E-mail: info@asvmultichemie.com

MOLYSULF® & ASV® Specialty Lubricants & MRO Technical Chemicals.

® Registered trademark of ASV Multichemie Private Limited, INDIA.

THIS PRODUCT IS DEVELOPED AND MANUFACTURED BY US FOR INDUSTRIAL USE ONLY.

Distributed by: