

TECHNICAL DATA SHEET | INDUSTRIAL

Engen Gengear SPL A-1000

Advanced Heavy Duty Full Synthetic Polyalphaolefin Industrial Gear Lubricants



PETRONAS

Engen is a
member of the
PETRONAS Group



Extreme
Pressure



Heavy
Loads



Corrosion
Protection



High
Temperature



Synthetic

Description

Gengear SPL A-1000 is formulated using polyalphaolefin (PAO) and other synthetic base stocks in order to provide performance greatly superior to conventional petroleum oils.

The lubricant also provides friction reducing characteristics that will allow lower energy consumption when compared to mineral oil products.

Application

Gengear SPL A-1000 is particularly suited to heavily loaded, slow moving, gear applications requiring a high oil viscosity where extreme service conditions are experienced. It is also suitable for use in plain, rolling element and antifriction bearings.

Gengear SPL A-1000 lubricant is recommended for applications requiring high micropitting resistance or where savings in energy consumption are desired.

Benefits & Features

- Excellent oxidation and thermal stability.
- Wide operating temperature range.
- Excellent load carrying ability.
- Extended lubricant life.
- Improved cleanliness.
- Reduced energy consumption.
- Compatible with petroleum oils and most paints, gaskets, and seals used with conventional petroleum oils.

Performance Level

Meets or exceeds the following Industry Standards:

- ANSI/AGMA 9005 (Table 3)
- AISE 224 (formerly USS 224)
- DIN 51517 Part 3
- David Brown S1.53.101



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Typical Physical Characteristics

ENGEN GENGear SPL A-1000			
PARAMETERS	METHODS	UNITS	TYPICAL VALUES
ISO Viscosity Grade	ISO 3448	-	1000
Viscosity @ 40°C	ASTM D445	cSt	995
Viscosity @ 100°C	ASTM D445	cSt	104
Viscosity Index, min	ASTM D2270	-	198
Flash Point, max.	ASTM D92	°C	>250
Pour Point	ASTM D5950	°C	-30
Density @ 20°C	ASTM D4052	g/cm3	0.853
Timken OK Load	-	Kg (Lb)	36(80)
FZG Scuffing, Fail Load Stage, A/16.6/90	DIN 51534	-	+14
Micropitting Resistance	FVA	-	High
ASTM Rust Test B (Sea Water)	ASTM D665	-	Pass
Foam Test, Seq I Tendency /stability	ASTM D892	ml/ml	0/0
Water Separability, Min. to 3 ml emulsion @ 82°C	ASTM D1401	min	10

All technical data is provided for reference only. These characteristics are typical of current production. Whilst future production will conform to Engen's specification, variations in these characteristics may occur.

Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water. For further detail regarding storage, safe handling, and disposal of product, please refers to product SDS.

Safety Data Sheets are available for all our products and should be only be consulted for appropriate information regarding storage, safe handling and disposal of the product. No responsibility shall be taken by either Engen or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortuous action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale.

Please consult with any of our local representative in the event you require any further information.



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