

TECHNICAL DATA SHEET | INDUSTRIAL

Engen Gengear Series

Heavy Duty Industrial Gear Lubricants



PETRONAS

Engen is a
member of the
PETRONAS Group



Heavy
Loads



Corrosion
Protection



High
Temperature

Description

Gengear Series oil is a range of heavy-duty industrial gear lubricants made from high quality paraffinic mineral oils, incorporating unleaded additives to provide enhanced oxidation stability, resistance to foaming, extreme pressure and anti-wear characteristics, as well as rust and corrosion protection.

These oils also have friction modifying characteristics that reduces power consumption and lower bulk oil temperatures. Gengear Series oils have Timken OK Load ratings of 27 kilograms.

Application

Gengear oils are recommended for industrial enclosed gear sets with circulation or splash lubrication systems operating up to 110 °C bulk oil temperature. For worm gears operating at bulk temperatures above 95 °C, Gengear SPL PG-Series is recommended. Non-gear applications for Gengear oils include shaft couplings, screws and heavily loaded bearings operating at slow speeds. See also Gengear XEP Series.

Benefits & Features

- Outstanding antiwear properties.
- Good oxidation stability.
- Good rust and corrosion protection.
- Good demulsibility.
- Excellent anti-foam characteristics.
- Good filterability.

Performance Level

Meets or exceeds the following Industry Standards:

- AGMA 9005-E02
- AIST 224
- DIN 51517 Part 3
- GB 5903-2011 L-CKD
- ISO 12925-1 CKD



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Typical Physical Characteristics

ENGEN GENGEAR SERIES									
PARAMETERS	METHODS	UNITS	TYPICAL VALUES						
ISO Viscosity Grade	ISO 3448	-	68	100	150	220	320	460	680
Viscosity @ 40°C	ASTM D445	cSt	65	100	140	210	305	440	650
Viscosity @ 100°C	ASTM D445	cSt	8.6	11,3	14,5	18,3	23,3	30,0	36,0
Viscosity Index, min.	ASTM D2270	-	95	95	95	95	95	95	80
Flash Point	ASTM D92	°C	204	208	210	216	232	232	232
Pour Point	ASTM D5950	°C	-24	-24	-24	-18	-15	-6	-6
Density @ 20°C	ASTM D4052	g/cm3	0.880	0.882	0.890	0.890	0.895	0.899	0.910
Copper Strip Corrosion, 3HRS, 100°C	ASTM D130	-	1b	1b	1b	1b	1b	1b	1b
FZG Scuffing, Fail Load Stage, A/8.3/90	DIN 51534	-	12	12	12	12	12	12	12
ASTM Rust Test B (Sea Water)	ASTM D665	-	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Test, Seq I Tendency /stability	ASTM D892	ml/ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Water Separability, Min. to 3 ml emulsion @ 82°C	ASTM D1401	min	20	20	20	20	20	30	30
AGMA No.	-	-	2EP	3EP	4EP	5EP	6EP	7EP	8EP

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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product and other products in
our range please scan
the following:*



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