



TECHNICAL DATA SHEET

GEM GUARD SN 320

Fully-Synthetic VG320 Industrial Gear Lubricant based on polyalphaolefins

Product Description:

Gem Guard SN 320 is a fully synthetic high quality gear oil manufactured from a PAO fluid and special extreme additives to provide outstanding lubricity over a wide temperature range.

Advantages/Benefits:

Unlike conventional gear oils Gem Guard SN 320 has an exceptionally high viscosity index which maintains the film strength of the lubricant throughout a wide temperature range. It has excellent load carrying capacity, anti-wear, EP properties and has proven rust and corrosion prevention qualities. In gearboxes and recirculating systems with sump temperatures up to 90°C, longer oil-change intervals can be achieved when compared to conventional mineral oil based gear lubricants.

Application:

The Gem Guard SN 320 is designed for use in automotive worm axles such as Kirkstall, Foden and industrial worm gearboxes. It can also be used in hoist derrick and slew gearboxes fitted to Coles cranes.

Gem Guard SN 320 is recommended for use in all types of industrial gearboxes where loading and speed is causing temperature approaching 150° C or the design limit of the equipment.

For further information please contact your local representative or GEM Oils directly.



Gem Oils use a QMS system which is ISO 9001:2015 approved



Typical Test data:

ISO VG	320
KV @40°C (cSt)	320
KV @100°C (cSt)	34.1
VI	150
Density @ 15°C	.853
Pour Point (°C)	-54
Flashpoint (°C)	260
FZG A/8, 3/90	>14
FZG A/16, 6/140	>12

Health & Safety: (Group 1)

Please refer to the relevant MSDS which is available to all customers.

Availability:

Available in bulk, 1000 litre IBC's, 200 litre barrels, 20 litre drums.

Main Specifications:

DIN	51517-3: CLP
ISO	6743-6: CKD
ISO	12929: CKD
AISE	224
SKF	Pass (100°C-test)
David Brown	S1 53. 101
FAG	FE8 stage 1-4 pass

Approvals:

A.F. Flender AG	51517-3: CLP
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