



# TECHNICAL DATA

## GB GEAR OIL EP RANGE

A range of premium industrial extreme pressure gear oils

## APPLICATIONS

The GB GEAR OIL EP RANGE has been developed using the highest quality mineral base oils and multifunctional additives, to provide superior performance in the increasingly severe operating conditions of steel mills, engineering workshops, mines, quarries etc.

## PERFORMANCE FEATURES

The GB GEAR OIL EP RANGE is formulated to provide maximum protection in the diverse conditions and applications where industrial gear oils are utilised and provides clean-gear performance under conditions of high temperature and oxidation. It can perform in the presence of large quantities of water, as in steel mills, or in highly contaminated environments, such as mines or quarries, whilst sustaining high loads, speeds and operating temperatures. The GB GEAR OIL EP RANGE offers the following features:

- Extended durability
- Improved thermal stability
- Improved cleanliness
- Improved high-temperature EP protection
- Extended demulsibility life
- Improved contaminant resistance

## PERFORMANCE DETAILS

At the relevant viscosities, the GB GEAR OIL EP RANGE may be used where the following specifications are required:

USS 224 DAVID BROWN S1.53.101 (E) AGMA 9005-E02	DIN 51517 Part 3 FLENDER MICROPITTING PROTECTION (FVA 54/7) SEB 181226
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## **GB LUBRICANTS**

Albany Road Gateshead NE8 3BP  
Tel: 0191 490 4312  
Fax: 0191 477 9544  
e-mail: gblsales@gb-lubricants-fuels.co.uk  
www.gb-lubricants-fuels.co.uk

A division of Goodall Bates & Todd Ltd



Q 06093  
ISO 9001



EMS 72776  
ISO 14001



OHS 88475  
OHSAS 18001

**CHARACTERISTICS**

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS				
			<b>46</b>	<b>68</b>	<b>100</b>	<b>150</b>	<b>220</b>
<b>ISO</b>	-	-					
Density @ 15°C	kg/m <sup>3</sup>	IP 160	878	886	893	896	899
Kinematic Viscosity @ 40°C	cSt	IP 71	46.1	69.2	102.1	151.1	220.7
Kinematic Viscosity @ 100°C	cSt	IP 71	6.9	8.9	11.3	14.6	19.6
Viscosity Index	-	IP 226	103	97	96	93	100
Pour Point	°C	IP 15	-25	-25	-22	-16	-16

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS			
			<b>320</b>	<b>460</b>	<b>680</b>	<b>1000</b>
<b>ISO</b>	-	-				
Density @ 15°C	kg/m <sup>3</sup>	IP 160	901	902	921	930
Kinematic Viscosity @ 40°C	cSt	IP 71	314.2	420.5	679.8	994
Kinematic Viscosity @ 100°C	cSt	IP 71	25.1	30.4	38.3	53.6
Viscosity Index	-	IP 226	102	103	92	102
Pour Point	°C	IP 15	-15	-12	-9	-9

**STORAGE AND HANDLING**

The GB GEAR OIL EP RANGE should be stored under cover to avoid water collecting in the rim of upturned barrels.

**HEALTH, SAFETY AND THE ENVIRONMENT**

The GB GEAR OIL EP RANGE is not classified as hazardous under current UK Health & Safety and Environmental Legislation when used in the application for which it is intended.

For guidance on storage and handling of all lubricants and related products, GB Lubricants recommend the Environment Agency, [www.environment-agency.gov.uk](http://www.environment-agency.gov.uk), as an excellent source of advice.

If you have any queries, please do not hesitate to contact either your local Technical Sales Representative or our Technical Department.

The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations and specifications, without prior notice.