

GEAR SP

EXTREME PRESSURE LUBRICANTS
FOR INDUSTRIAL GEARS

230024-230025-230026-230027-230028-230030-230031-230032/08.10

Rev. 0

DESCRIPTION & APPLICATIONS

GEAR SP oils are excellent lubricants with extreme pressure and anti-wear properties for the lubrication of gears with crankcase.

- Gearboxes;

☐ - industrial gear;

☐ - gearboxes and reverse clutch (Navy);

☐ - transmission chains in housings.

☐ - very slow or dead interval bearings are lubricated with oil;

☐ - heavy duty bearings.

ADVANTAGES

- EP, anti-wear and anti-oxidation properties.
Free of lead and chlorine.
Stable natural viscosity indexes.
Low pour points.
Not aggressive towards non-ferrous metals (copper trading: 1a).
Good water separation.
- Very stable product.
- Does not attack brass components.
- Very good water repellent.
- High protection against rust and corrosion.
- Low freezing point.

PERFORMANCES

Satisfies to the following specifications:

AGMA 9500-E02

API GL4

DAVID BROWN S1.53.101

DIN 51502 CLP EP

DIN 51517 Teil 3

ISO 6743 CKD

US STEEL 224

GEAR SP

ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal.

When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

GEAR SP

PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA			
ISO VG	-	-	46	68	100	150
Specific gravity at 15°C	kg/m ³	NFT 60101	876	876	885	886
Kinematic viscosity at 40°C	mm ² /s (cSt)	NFT 60100	46	67	97	151
Kinematic viscosity at 100°C	mm ² /s (cSt)	NFT 60100	6,8	8,6	11	14,8
Viscosity index	-	NFT 60136	101	98	98	97
Flash point	°C	NFT 60118	226	236	250	262
Pour point	°C	NFT 60105	-27	-21	-21	-18
Product number	-	-	230024	230025	230026	230027

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA			
ISO VG	-	-	220	320	460	680
Specific gravity at 15°C	kg/m ³	NFT 60101	891	895	903	898
Kinematic viscosity at 40°C	mm ² /s (cSt)	NFT 60100	220	323	469	710
Kinematic viscosity at 100°C	mm ² /s (cSt)	NFT 60100	18,6	24,3	31,2	40
Viscosity index	-	NFT 60136	95	96	97	97
Flash point	°C	NFT 60118	273	285	297	289
Pour point	°C	NFT 60105	-15	-15	-9	-9
Product number	-	-	230028	230030	230031	230032

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
Antiwear and EP characteristics	-	FZG test	12
4 Ball weld load	kg	ASTM D2596	250
4 Ball wear (1H, 40 Kg)	Ø mm	ASTM D2266	0,30
OK Load	lbs	TIMKEN	75
Copper corrosion	-	ASTM D 130	1a/1b
TAN (TotalAcid Number)	mg KOH/g	ASTM D 664	0,5

The average values are given for information only.