

TECHNICAL DATA SHEET



Product code: see table below **Sector:** Industrial **Issue No:** 5 **Issue Date:** 28/10/24

MILLGEAR SHC RANGE

Millgear SHC is a range of high performance, synthetic gear oils designed to lubricate and protect gear teeth, even under high loads and at extreme temperatures.

Application

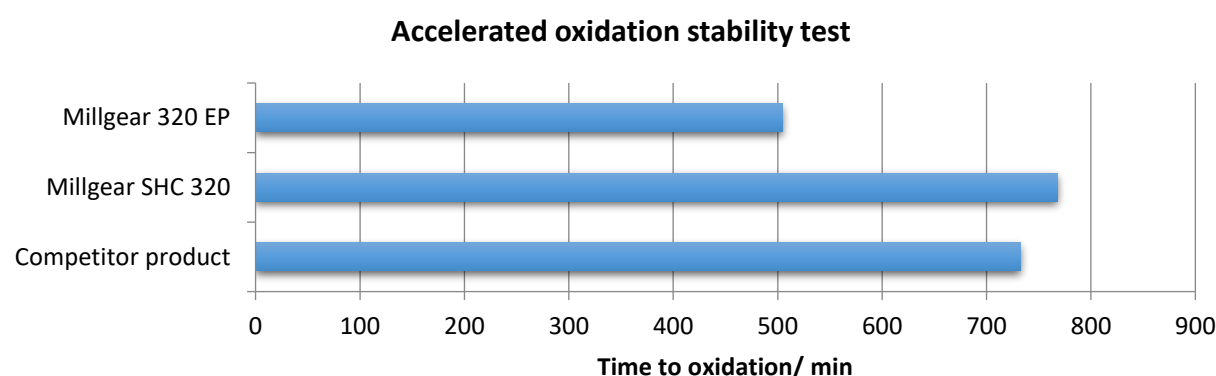
Use as received for industrial gear applications including spur, helical and bevel gears. Recommended in outdoor applications where a wide operating temperature is required, as well as heavily loaded applications where there is increased risk of micropitting.

Features & Benefits

- Extreme pressure protection for reduced wear and extended equipment life.
- Excellent thermal and oxidation stability for increased oil life and relubrication intervals.
- High viscosity index for consistent film thickness to protection against micropitting, even at high temperatures.
- Low pour point provides effective lubrication at low start-up temperatures.
- Minimised deposit formation for improved oil cleanliness.
- Wide operating temperature range: optimum performance between 25°C – 80°C with short-term peak temperatures up to 150°C

Performance Profile

- DIN 51517 Part 3
- AGMA 9005-E02
- US Steel 224
- Flender AG



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Typical Characteristics

Millgear SHC	68	150	220	320	460
ISO viscosity grade	68	150	220	320	460
Density @ 15°C, g/ml	0.857	0.860	0.856	0.859	0.860
Kinematic viscosity @ 100°C, cSt	11.0	21.4	29.3	41.2	54.3
Kinematic viscosity @ 40°C, cSt	68.0	150.0	220.0	320.0	460.0
Viscosity index	152	167	172	183	184
Four Ball (weld load), kg	250	250	250	250	250
Pour point, °C	-54	-48	-42	-39	-36
Flash point, °C	222	233	236	240	244
Part code	6145	5546	5543	5540	5530

Technical & Health and Safety

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