



SP GEAR OIL EP 320

INDUSTRIAL EP GEAR OIL

DESCRIPTION

SP GEAR OIL EP 320 is premium industrial gear oils with extreme pressure (EP) sulfated additive system combine with anti-friction property and high heavy-duty capability. **SP GEAR OIL EP 320** is a top choice for industrial lubrication. Containing neither lead nor chlorine they are environmental friendly.

APPLICATION

SP GEAR OIL EP 320 is suitable for:

- ✓ Enclosed industrial gears
- ✓ Worm gearboxes, bearings, sliding components, etc.
- ✓ Bearings and components in circulating and splash lubrication systems



PROPERTIES

- ISO 12925-1 Category CKD
- AIST (US Steel) 224
- ANSI/AGMA 9005-F16
- DIN 51517 Part 3
- Fives Cincinnati P-69
- Textron David Brown S1.53 101
- FZG 12

BENEFITS

- Superior load-carrying EP capability
- Outstanding protection against wear and shock
- Good thermal and oxidation stability
- Prolongs gear life.

TYPICAL SPECIFICATION

Specification	Test Method	Unit	320
Kinematic Viscosity @40°C	ASTM D445	cSt	288.0 ÷ 352.0
Viscosity Index	ASTM D2270	--	Min 93
Flash Point (COC)	ASTM D92	°C	Min 240
Pour Point	ASTM D97	°C	Max -6
Water Content	ASTM 95	%V	Max 0.05
Foam Tendency @93.5°C (SeqII)	ASTM D892	ml/ml	Max 50/0
Color	ASTM D1500	--	Max 3.5
Copper corrosion (100°C, 3h)	ASTM D130	--	Class 1
Appearance	Visual	--	Bright and Clear

* Minor variations in product typical test data are to be expected in normal manufacturing



Product introduction

10-2024

PACKING



18L 200L 1000L As required

ENVIRONMENT, HEALTH & SAFETY

•Health & safety

SP GEAR OIL EP 320 does not pose any significant health hazard when used according to instructions and in compliance with personal and industrial hygiene standards.

Avoid contact with skin. Use impermeable gloves with used oil. If skin contact occurs, wash immediately with soap and water.

•Protect environment

Collect used oil to designated collection points. Do not discharge into sewers, ground or water sources.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet (MSDS), which can be obtained from <http://www.apsaigonpetro.com>

STORAGE

Storage temperature: Less than 60°C. Avoid direct sunlight.

Keep away from heat sources and sources of ignition, avoid water contamination, and do not mix with other oils.

ADDITIONAL INFORMATION

Not recommended/support

For systems using filters with a pore size of less than 10 microns, controlling foam will be very difficult, leading to reduced lubrication performance.

For hypoid gear applications, it is recommended to use gear oil, **SP GEAR OIL EP GL-4, GL-5** respectively.

Compatibility with oils

SP GEAR OIL EP 320 is compatible with most other mineral-based industrial gear oils. When adding a different type of oil is required, please consult the APSP technical team for the necessary guidance.

• Technical assistance

For more information, visit our website www.apsaigonpetro.com. Hotline: 1900 0104