

CARTER ST



LUBRICATION



High-performance industrial gear lubricant

APPLICATIONS

Heavily loaded enclosed gears

- **CARTER ST** oils are premium quality industrial gear lubricants designed to provide excellent extreme pressure (EP) and load carrying properties. They are oxidation stable and exhibit anti-rust, anti-corrosion, demulsibility and anti-foam characteristics. They meet the viscosity requirements of ISO 68 to 1000.
- **CARTER ST** oils are formulated with new sulfur-phosphorus chemistry which provides improved anti-wear and friction reducing properties, which in turn cause gear sets to operate cooler and more efficiently.

PERFORMANCE

International and OEM Specifications

- AFNOR NFE 60.200 - Category CKC
- AGMA 250.04
- CINNCINATI MACHINE P-74 (ISO 220) and P-59 (ISO 320)
- DAVID BROWN ET 33/80
- DIN 51517 Part 3 - Group CLP
- DIN 51502 - Group CLP
- ISO/TR 3498 - Category CKC
- ISO 12925-1
- US STEEL 224

ADVANTAGES

- Excellent extreme-pressure and anti-wear performances, remarkable protection of heavily loaded gear teeth.
- Compatibility with elastomers
- Very good thermal stability ensuring a longer service life than conventional lubricants.
- Strengthened foaming protection.
- Good oil-water separation behavior.

TYPICAL CHARACTERISTICS--CARTER ST

ISO Grade		68	100	150	220	320	460	680	1000
AGMA Grade		2EP	3EP	4EP	5EP	6EP	7EP	8EP	8A
Density @ 60 °F, lbs./gal.	ASTM D 1298	7.31	7.35	7.38	7.43	7.48	7.53	7.64	7.60
Color	ASTM D 1500	4.5	5.5	7.0	7.0	7.0	7.0	7.5	8.0
Viscosity at 40°C, cSt	ASTM D 445	68	100	150	220	320	460	680	1000
Viscosity Index	ASTM D 2270	>95	>95	>95	>95	>95	>95	>95	>95
Pour Point, °F	ASTM D 97	5	5	5	5	5	5	10	10
Flash Point, COC, °F	ASTM D 92	450	470	490	500	530	530	500	530
Copper Strip Corrosion	ASTM D 130	1B	1B	1B	1B	1B	1B	1B	1B
Timken Load, lbs.	ASTM D 2782	--	--	65	65	65	70	70	70
FZG A/8, 3/90, fail stage	DIN 51354/2	>13	>13	>13	>13	>13	>13	>13	>13

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