Gulf® LUBRICANTS

Powered By ECOSE

# Extreme Industrial EP Gear Oil

## *Premium Gear Oil with Micro-Pitting Protection*

High quality, extreme-pressure (EP) industrial gear oils, designed to deliver superior performance in enclosed gear drives that often operate under heavy or shock load conditions. These AGMA EP gear oils are fortified with advanced technology chemistry that provides a high level of resistance to micro-pitting and gear tooth surface fatigue often found in heavily loaded gearboxes with surface hardened gear tooth surfaces.

## Features and Benefits

- Excellent load carrying ability
- Outstanding water separation characteristics
- High resistance to micro-pitting and metal surface fatigue
- Protection from galling, scuffing and welding of gear teeth
- Non-corrosive to bronze, brass, copper and other copper alloy parts

## Applications

- AGMA 250.04, 251.02
- AGMA 9005-E02 EP
- DIN 51517, Part 3
- US Steel 224
- David Brown S1.53.101
- Cincinnati Machine
- ISO 12925-1 Type CKD
- Spur, bevel, helical, worm, and industrial hypoid gear cases.
- Bearing applications include plain, ball, roller, and sleeve bearings
- Lubrication of slides, ways, sprockets, chain drives, winches, hoists, and machine tools

# Product Data Sheet

## Typical Properties

| ISO Viscosity Grade | Test Method | 68 | 100 | 150 | 220 | 320 | 460 |
|---|---|---|---|---|---|---|---|
| **Product Code** | | **343068** | **343100** | **343150** | **343220** | **343320** | **343460** |
| **AGMA Grade** | | 2EP | 3EP | 4EP | 5EP | 6EP | 7EP |
| **Viscosity, cSt @ 40°C** | ASTM D-445 | 68 | 100 | 150 | 220 | 320 | 460 |
| **Viscosity, cSt @ 100°C** | ASTM D-445 | 8.6 | 11.0 | 14.2 | 19.5 | 24.6 | 31.0 |
| **Viscosity Index** | ASTM D-2270 | 99 | 97 | 95 | 97 | 97 | 108 |
| **Flash Point, COC, °F** | ASTM D-92 | 430 | 440 | 430 | 445 | 480 | 490 |
| **FZG Scuffing Test, stages** | ASTM D-5182 | 12 | 12 | 12 | 12 | 12 | 12 |
| **Timken OK Load, lbs** | ASTM D-2782 | 65 | 70 | 65 | 65 | 70 | 75 |
| **Four Ball EP Weld, kg** | ASTM D-2783 | 315 | 315 | 250 | 250 | 250 | 250 |
| **API Gravity, 60°F** | ASTM D-1298A | 30.6 | 30.2 | 27.1 | 26.6 | 26.4 | 25.1 |

*These properties are typical of current production, minor variations are to be expected in normal manufacturing.*

Rev. 05/21

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