

# SPEC OIL

## **SPEC OIL IGO 68, 100, 150, 220, 320, 460, 680, 1000**

### **DESCRIPTION**

Spec Oil EP Industrial Gear Oils are superior performance gear lubes. Premium base oils with an effective sulfur-phosphorous EP additive system, minimize wear of enclosed gears and other equipment operating under heavy loads and shock conditions.

These premium gear lubes utilize high viscosity index (HVI) base oils to provide high flash points, low volatility and superior oxidation stability. They provide outstanding protection in industrial gear sets operating under severe conditions, such as intermittent shock loads, high peak loads and heavy tooth loads.

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### **These quality extreme-pressure gear oils offer:**

- Superior bearing protection
- Excellent anti-foam protection
- Excellent rust and corrosion protection
- Outstanding demulsibility characteristics
- Resistance to oxidative sludge and varnish
- Protection from galling, scuffing and welding of gear teeth

Spec Oil EP Industrial Gear Oils are ideal for heavy-loaded enclosed gear sets where extreme-pressure properties and adequate film strength are critical for industrial hypoid gear cases, as well as plain, ball, roller and sleeve type bearings. They may also be used for the lubrication of slides, ways, sprockets, chain drives, winches, hoist and machine tools.

### **These Gear Oils also meet or exceeds the following performance requirements in the appropriate grades.**

- US Steel 224
- AGMA 250.04,251.02
- David Brown S1.53.101
- DIN 51517, Part 3
- Cincinnati Machine

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## SPEC OILS IGO 68, 100, 150, 320,3020, 460, 680, 1000

### TYPICAL PHYSICAL CHARACTERISTICS

IGO	68	100	150	220	320	460	680	1000
Kinematic Viscosity @ 40°C	68	100	150	220	320	460	680	1000
100°C mm <sup>2</sup> /s	8.7	11.4	15	19.4	25	30.8	38	43.8
Viscosity Index	100	100	100	100	100	97	92	84
Density @ 15°C kg/l	0.887	0.891	0.897	0.899	0.903	0.904	0.912	0.931
Flash Point °C	191	193	196	199	202	204	204	205
Pour Point °C	-27	-27	-21	-18	-15	-9	-9	-12