**Industrial Gear EP Oils**

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| Product Application:  |

Industrial Gear EP Oils are a premium, extreme pressure fortified, heavy duty, high load, friction modified industrial gear lubricants developed for use in all types of enclosed gear sets with either circulatory or splash type lubricants systems.

Industrial Gear EP Oils are formulated with high VI full bodied hydro treated base stocks then blended with the latest cutting edge extreme pressure additives to provide for a superior quality industrial gear lubricant.

Industrial Gear EP Oils are engineered to excel in the lubrication of helical, worm, industrial spur and bevel enclosed gear sets in ambient temperatures ranging from O°C-120°C. They provide for outstanding lubrication in highly loaded gear-sets subjected to sustain or highly shock loaded applications.

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| Package Size: |

Bulk, Drums, Pails

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| Meets or Exceeds the following Specifications |

SEB: 18226

U.S. Steel 224

AGMA 9005 – EO2

DIN 51517-3: 2009-06

ISO 12925-1 Typ

David Brown S1.53.10 Type E

API GL-1, GL-4

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| Typical Characteristics:  |

ISO Grade **32** **68 100 150 220 320 460 680**

AGMA# 1EP 2EP 3EP 4EP 5EP 6EP 7EP 8EP

Density 0.87 0.875 0.88 0.89 0.89 0.90 0.90 0.91

Viscosity Index (Min.) 102 101 100 100 99 98 95 90

Viscosity

cSt @ 40 °C 32 68 100 150 220 320 460 680

cSt @ 100 °C 5.3 8.8 11.2 14.5 18.8 24.1 30.2 34.2

Flash point, COC, °C 200 230 230 240 240 240 250 285

Pour point, °C -28 -27 -24 -24 -24 -24 -15 -10

Timken OK Load, 1b 65 65 65 65 65 65 65 65

Mueller Weingarten 100 150 220 320 460

Seimens AG Flender A17 A16 A15 A14 A13 A12

4-Ball EP test, ASTM D2783
Weld Load, kg 200 200 200 250 250 250 250 250

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