



# Synthetic EP Gear Oils

## Technical Data Sheet

### Description

**Tuxton Synthetic EP Gear Oils** are exceptional performance heavy duty gear lubricants formulated from synthetic base stocks and the most advanced additives on the market. Tuxton Synthetic EP Gear Oils exhibit outstanding Extreme Pressure performance, excellent rust and corrosion protection, exceptional anti-wear protection, as well as providing outstanding oxidation and thermal stability. **Tuxton Synthetic EP Gear Oils** are designed to provide long service life in all types of enclosed gearing as well as plain and rolling element bearings.

### Performance Features

- Outstanding Extreme Pressure Performance
- Exceptional Load-Carrying Properties
- Outstanding Thermal Stability
- Excellent Rust Protection
- Exceptional Anti-Wear Protection
- Non-Corrosive to Bronze and Bearing Alloys

### Approvals

- AGMA 9005-D94
- US Steel 224
- Cincinnati Milacron
- Excellent FZG Performance
- Clean Panel Coker
- S-200 Oxidation Tubes

### Properties

ISO Grade	<b>68</b>	<b>100</b>	<b>150</b>	<b>220</b>	<b>320</b>	<b>460</b>	<b>680</b>
AGMA Number	2EP	3EP	4EP	5EP	6EP	7EP	8EP
Viscosity cST @ 40°C	68	99	158	226	316	459	684
Viscosity cST @ 100°C	10.05	13.76	20.36	28.31	36.28	50.61	67.21
Viscosity Index	132	140	150	162	162	172	172
Density	7.09	7.06	7.06	7.09	7.10	7.10	7.10
Flash Point (COC) °F	410	415	430	445	480	490	494
Pour Point °F	-50	-40	-30	-30	-25	-20	-15
FZG Fail Stage, ASTM D 5182	14	14	14	14	14	14	14
Four-Ball Scar, mm	0.30	0.30	0.32	0.32	0.30	0.30	0.30
Four-Ball Weld, kgs	250	250	250	250	250	250	250
Four-Ball Load Wear Index, kgs	48	48	48	48	48	48	48
Timken OK Load, lbs	65	65	70	70	70	70	70
Copper Corrosion Rating	1a	1a	1a	1a	1a	1a	1a
Steel Corrosion, ASTM 665B	pass	pass	pass	pass	pass	pass	pass

