

## Product Data

# I.G.O. 80W90

## Premium Extreme Pressure Gear Oil

### Typical Gear Box Problems:

- ✓ **Dry Starts**
- ✓ **Upper and Middle  
Gear Failure**
- ✓ **Gear Box Runs Hot**
- ✓ **Lubrication Does  
Not Hold Up Under  
Extreme Conditions**
- ✓ **Foaming Causes  
Pressure Buildup**
- ✓ **Wrong Lubrication  
Used For Equipment**

### I.G.O. 80w90... Performance in Action.

● **ADHESIVE ACTION.** I.G.O. 80w90 climbs to upper and middle gears and bearings. There is no delay waiting for lubricant to splash to upper mechanisms. Superior film strength maintains better metal-to-metal separation which reduces friction, so gear box runs cooler and less energy is drawn.

**PERFORMANCE BENEFIT:** No dry starts which cause excessive gear or bearing wear. Climbing action provides optimum protection against scoring and excessive wear.

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● **PERFORMS IN ALL TYPES OF WEATHER.** I.G.O. 80w90 maintains its fluidity at lower temperatures and a heavy viscosity at high temperatures.

**PERFORMANCE BENEFIT:** Efficient in all weather. Prevents breakdowns under severe weather conditions.

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● **ANTI-WEAR ADDITIVES.** I.G.O. 80w90's exclusive polymer formulation prevents scoring and excessive wear. It is non-corrosive to gears and ball and roller bearings.

**PERFORMANCE BENEFIT:** Anti-wear protection means less repair, replacement and downtime costs.

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● **NON-SLIP ADDITIVE.** Xylidium® is added to reduce the slippage of gears.

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● **ANTI-FOAMING, ANTI-OXIDIZING.** I.G.O. 80w90 provides excellent anti-foaming properties and superior resistance to oxidation at high temperatures.

**PERFORMANCE BENEFIT:** Will not put pressure on seals. Will not trap heat and cause gear boxes to operate at excessive temperatures.

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standards worldwide...

## APPLICATIONS

I.G.O. 80w90 is recommended for the lubrication of gears (spur, hypoid, worm, spiral, bevel, helical, planetary and combinations).

## ADVANTAGES

- Excellent oxidative and thermal stability
- Superior rust and corrosion inhibition
- Exceptional load-carrying capability
- Excellent water-separating characteristics

## DIRECTIONS

See label instructions.

## TECHNICAL DATA

<b>SAE Grade:</b>	80w90
<b>ISO No.:</b>	150
<b>AGMA:</b>	4 EP
<b>A.P.I. Gravity:</b>	28.1
<b>Viscosity:</b>	
@ 40°C, cSt:	145
@ 100°C, cSt:	16.5
SUS @ 100°F:	673
SUS @ 210°F:	83.9
<b>Viscosity Index:</b>	121
<b>Pour Point, °F:</b>	-5
<b>Flash Point, COC:</b>	440°F
<b>Timken Load:</b>	80 lbs.

## APPROVALS

I.G.O. 80w90 meets the requirements of U.S. Steel 224 and the American Gear Manufacturers Association standard specification 9005-D94.



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C-13/PC-3715/0205

## Product Data

# I.G.O. 85w140

## Premium Extreme Pressure Gear Oil

### Typical Gear Box Problems:

- ✓ Dry Starts
- ✓ Upper and Middle Gear Failure
- ✓ Gear Box Runs Hot
- ✓ Lubrication Does Not Hold Up Under Extreme Conditions
- ✓ Foaming Causes Pressure Buildup
- ✓ Wrong Lubrication Used For Equipment

### I.G.O. 85w140... Performance in Action.

● **ADHESIVE ACTION.** I.G.O. 85w140 climbs to upper and middle gears and bearings. There is no delay waiting for lubricant to splash to upper mechanisms. Superior film strength maintains better metal-to-metal separation which reduces friction, so gear box runs cooler and less energy is drawn.  
**PERFORMANCE BENEFIT: No dry starts which cause excessive gear or bearing wear. Climbing action provides optimum protection against scoring and excessive wear.**

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● **PERFORMS IN ALL TYPES OF WEATHER.** I.G.O. 85w140 maintains its fluidity at lower temperatures and a heavy viscosity at high temperatures.  
**PERFORMANCE BENEFIT: Efficient in all weather. Prevents breakdowns under severe weather conditions.**

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● **ANTI-WEAR ADDITIVES.** I.G.O. 85w140's exclusive polymer formulation prevents scoring and excessive wear. It is non-corrosive to gears and ball and roller bearings.  
**PERFORMANCE BENEFIT: Anti-wear protection means less repair, replacement and downtime costs.**

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● **NON-SLIP ADDITIVE.** Xylidium® is added to reduce the slippage of gears.

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● **ANTI-FOAMING, ANTI-OXIDIZING.** I.G.O. 85w140 provides excellent anti-foaming properties and superior resistance to oxidation at high temperatures.  
**PERFORMANCE BENEFIT: Will not put pressure on seals. Will not trap heat and cause gear boxes to operate at excessive temperatures.**

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## APPLICATIONS

I.G.O. 85w140 is recommended for the lubrication of gears (spur, hypoid, worm, spiral, bevel, helical, planetary and combinations).

## ADVANTAGES

- Excellent oxidative and thermal stability
- Superior rust and corrosion inhibition
- Exceptional load-carrying capability
- Excellent water-separating characteristics

## DIRECTIONS

See label for instructions.

## TECHNICAL DATA

<b>SAE Grade:</b>	85w140
<b>ISO No.:</b>	460
<b>AGMA4EP:</b>	7 EP
<b>A.P.I. Gravity:</b>	25.8
<b>Viscosity:</b>	
<b>SUS @ 100°F:</b>	2125
<b>SUS @ 210°F:</b>	155
<b>Viscosity Index:</b>	114
<b>Pour Point, °F:</b>	0°F
<b>Flash Point, COC:</b>	>455°F
<b>API:</b>	25.8
<b>Timken Load:</b>	+80 lbs.

## APPROVALS

I.G.O. 85w140 meets the requirements of U.S. Steel 224 and the American Gear Manufacturers Association standard specification 9005-D94.



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C-13/PC-3710/0203

### Typical Gear Box Problems:

- ✓ Dry Starts
- ✓ Upper and Middle Gear Failure
- ✓ Gear Box Runs Hot
- ✓ Lubrication Does Not Hold Up Under Extreme Conditions
- ✓ Foaming Causes Pressure Buildup
- ✓ Wrong Lubrication Used For Equipment

### I.G.O. 90w... Performance in Action.

● **ADHESIVE ACTION.** I.G.O. 90w climbs to upper and middle gears and bearings. There is no delay waiting for lubricant to splash to upper mechanisms. Superior film strength maintains better metal-to-metal separation which reduces friction, so gear box runs cooler and less energy is drawn.

**PERFORMANCE BENEFIT:** No dry starts which cause excessive gear or bearing wear. Climbing action provides optimum protection against scoring and excessive wear.

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● **PERFORMS IN ALL TYPES OF WEATHER.** I.G.O. 90w maintains its fluidity at lower temperatures and a heavy viscosity at high temperatures.

**PERFORMANCE BENEFIT:** Efficient in all weather. Prevents breakdowns under severe weather conditions.

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**PERFORMANCE BENEFIT:** Anti-wear protection means less repair, replacement and downtime costs.

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● **ANTI-FOAMING, ANTI-OXIDIZING.** I.G.O. 90w provides excellent anti-foaming properties and superior resistance to oxidation at high temperatures.

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## APPLICATIONS

I.G.O. 90w is recommended for the lubrication of gears (spur, hypoid, worm, spiral, bevel, helical, planetary and combinations).

## ADVANTAGES

- Excellent oxidative and thermal stability
- Superior rust and corrosion inhibition
- Exceptional load-carrying capability
- Excellent water-separating characteristics

## DIRECTIONS

See label instructions.

## TECHNICAL DATA

SAE Grade:	90w
ISO No.:	220
AGMA 4EP:	5 EP
A.P.I. Gravity:	28.1
Viscosity:	
@ 40°C, cSt:	220
@ 100°C, cSt:	18.5
SUS @ 100°F:	1045
SUS @ 210°F:	94
Viscosity Index:	103
Pour Point, °F:	-5°F
Flash Point, COC:	> 455°F
Timken Load:	80 lbs.

## APPROVALS

I.G.O. 90w meets the requirements of U.S. Steel 224 and the American Gear Manufacturers Association standard specification 9005-D94.



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C-13/PC-3700/0203

### Typical Gear Box Problems:

- ✓ **Dry Starts**
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Gear Failure**
- ✓ **Gear Box Runs Hot**
- ✓ **Lubrication Does  
Not Hold Up Under  
Extreme Conditions**
- ✓ **Foaming Causes  
Pressure Buildup**
- ✓ **Wrong Lubrication  
Used For Equipment**

### I.G.O. 140w... Performance in Action.

● **ADHESIVE ACTION.** I.G.O. 140w climbs to upper and middle gears and bearings. There is no delay waiting for lubricant to splash to upper mechanisms. Superior film strength maintains better metal-to-metal separation which reduces friction, so gear box runs cooler and less energy is drawn.

**PERFORMANCE BENEFIT:** No dry starts which cause excessive gear or bearing wear. Climbing action provides optimum protection against scoring and excessive wear.

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● **PERFORMS IN ALL TYPES OF WEATHER.** I.G.O. 140w maintains its fluidity at lower temperatures and a heavy viscosity at high temperatures.

**PERFORMANCE BENEFIT:** Efficient in all weather. Prevents breakdowns under severe weather conditions.

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● **ANTI-WEAR ADDITIVES.** I.G.O. 140w's exclusive polymer formulation prevents scoring and excessive wear. It is noncorrosive to gears and ball and roller bearings.

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## APPLICATIONS

I.G.O. 140w is recommended for the lubrication of gears (spur, hypoid, worm, spiral, bevel, helical, planetary and combinations).

## ADVANTAGES

- Excellent oxidative and thermal stability
- Superior rust and corrosion inhibition
- Exceptional load-carrying capability
- Excellent water-separating characteristics

## DIRECTIONS

See label instructions.

## TECHNICAL DATA

SAE Grade:	140w
ISO No.:	460
AGMA 4EP:	7 EP
A.P.I. Gravity:	25.8
Viscosity:	
@ 37.8°C, cSt:	437
@ 98.9°C, cSt:	30.4
SUS @ 100°F:	2215
SUS @ 210°F:	148
Viscosity Index:	113
Pour Point, °F:	-20
Flash Point, COC:	425°F
Timken OK Load:	85
Channel Point,	
°C 2/max.:	-20

## APPROVALS

I.G.O. 140w meets the requirements of U.S. Steel 224 and the American Gear Manufacturers Association standard specification 9005-D94.



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C-13/PC-3716/0205