

## 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

### 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.

---

● **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.

---

● **TACKIFIER ADDITIVE.** A tackifying agent is added to reduce cold start-up wear.

---

● **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 trap heat and cause gear boxes to operate at excessive temperatures.

---



*...setting performance  
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

SAE Grade:	80w90
ISO No.:	150
AGMA:	4 EP
Viscosity:	
@ 40°C, cSt:	150
@ 100°C, cSt:	16.5
SUS @ 100°F:	673
SUS @ 210°F:	83.9
Viscosity Index:	121
Pour Point, °F:	-5
Flash Point, COC:	440°F
Timken Load:	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.



*...setting performance  
standards worldwide...*

C-13/PC-3715/1013

## Product Data

# I.G.O. 90w

## 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

### 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.

---

● **ANTI-WEAR ADDITIVES.** I.G.O. 90w's exclusive polymer formulation prevents scoring and excessive wear. It is noncorrosive to gears and ball and roller bearings.

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

---

● **TACKIFIER ADDITIVE.** A tackifying agent is added to reduce cold start-up wear.

---

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

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

---



*...setting performance  
standards worldwide...*

## 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
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.



*...setting performance  
standards worldwide...*

C-13/PC-3700/1013

## Product Data

# I.G.O. 140w

## 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

### 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.

---

● **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.

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

---

● **TACKIFIER ADDITIVE.** A tackifying agent is added to reduce cold start-up wear.

---

● **ANTI-FOAMING, ANTI-OXIDIZING.** I.G.O. 140w provides excellent anti-foaming properties and superior resistance to oxidation at high temperatures.

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

---



...setting performance  
standards worldwide...

## 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

<b>SAE Grade:</b>	140w
<b>ISO No.:</b>	460
<b>AGMA 4EP:</b>	7 EP
<b>Viscosity:</b>	
@ 48°C, cSt:	460
@ 100°C, cSt:	35
SUS @ 100°F:	2250
SUS @ 210°F:	155
<b>Viscosity Index:</b>	113
<b>Pour Point, °F:</b>	0
<b>Flash Point, COC:</b>	425°F
<b>Timken OK Load:</b>	80 lbs.

## APPROVALS

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



...setting performance  
standards worldwide...

C-13/PC-3716/1013

## 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

### 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.

---

● **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.

---

● **TACKIFIER ADDITIVE.** A tackifying agent is added to reduce cold start-up wear.

---

● **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 trap heat and cause gear boxes to operate at excessive temperatures.

---



*...setting performance  
standards worldwide...*

## 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

SAE Grade:	85w140
ISO No.:	460
AGMA 4EP:	7 EP
Viscosity:	
SUS @ 100°F:	2250
SUS @ 210°F:	155
@ 40°C, cSt	460
@ 100°C, cSt	35
Viscosity Index:	114
Pour Point, °F:	0°F
Flash Point, COC:	>455°F
API:	25.8
Timken Load:	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.



*...setting performance  
standards worldwide...*

C-13/PC-3710/1013