

### Ultra Gear Syn Series

**High Performance Hydro Carbon Base  
Synthetic Gear and Bearing Lubricant**

**Benefits :**

- Formulated from Synthetic Hydro Carbon (PAO) base stock.
- High load carrying capacity, anti-wear and EP properties.
- Thermal and oxidation resistant at high temperatures.
- High viscosity index ensures adequate film thickness at elevated temperatures.
- Reduce friction in various mechanical operations, good potential in reducing power consumption.
- Chosen additives provide excellent rust and corrosion protection.
- Good water demulsibility, air trapment release and foam control.
- Minimize sludge and deposits extending filter life and ensuring trouble free operation.
- Long oil change intervals. Reduced downtime and thereby reduced operating costs.

**Applications :**

- A long life lubricant for gear boxes.
- Low temperature gear boxes where smooth start-up is desired.
- Mixer bearings and roll neck bearings operating at high temperatures.
- Machines such as marine and other centrifuges, oil flooded rotary screw compressors used in onshore and offshore oil and natural gas industry.
- In textile industry for use such as in Staubli's dobbie for Sulzer, Piccanol air jet weaving looms.
- As a long life lubricant for high ratio worm gear boxes.

Characteristics	Method	Unit	Ultra Gear Syn 100	Ultra Gear Syn 150	Ultra Gear Syn 220	Ultra Gear Syn 320	Ultra Gear Syn 460
Appearance	Visual	-	Clear	Clear	Clear	Clear	Clear
Color	Visual	-	Colorless	Colorless	Colorless	Colorless	Colorless
Density @ RT	*CTM	gm/cc	0.82±0.05	0.82±0.05	0.82±0.05	0.82±0.05	0.82±0.05
Viscosity @ 40°C	ASTM D-445	cSt	90-110	135-160	200-240	290-350	410-510
Viscosity Index	ASTM D-2270	-	134	136	150	162	180
Pour Point	ASTM D-97	°C	-42	-42	-40	-40	-42
Four Ball Wear Scar	ASTM D-2266	mm	0.42	0.38	0.34	0.32	0.28
Copper Strip Corrosion	ASTM D-130	rating	1b	1b	1b	1b	1b

\*CTM = Corporate Test Method

**Note:** Ultra Gear Syn Series are fully compatible with mineral oil. For best performance it is recommended that systems be thoroughly flushed before changing over to these oils.

MSDS available on request.

Due to continual upgradation of products above data is subject to change without notice  
This supersedes our previously issued data sheets.

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