



Synergy GO Series

Industrial Gear Oils

High performance, extreme pressure, industrial gear oils formulated with a sulfur-phosphorus additive system, which also provide rust and oxidation inhibition. Designed primarily for industrial gear lubrication services with excellent load carrying capacity.

APPLICATIONS

- Enclosed industrial gear drives
- Open gear drives (heavy grades)
- Spur, bevel, helical, worm and industrial hypoid gear cases
- Industrial type reduction gearboxes on mining equipment, cement mills, ball and rolling mills, crushers, conveyors, kilns, winches, machine tools and marine equipment
- Chain drives, sprockets and flexible couplings
- Plain and rolling element bearings

PERFORMANCE STANDARDS

- ANSI/AGMA9005-D94 [EP] (Grades 68 to 680)
- U.S. Steel 224 (Grade 68 to 680)
- David Brown, Table E, approved (Grade 68 to 680)
- DIN 51517 Part 3 (Grade 68 to 680)

BENEFITS

- **Maintains Gear Set Efficiencies**
High thermal stability EP system maintains clean gear and bearing surface, minimizing deposits which interfere with effective lubrication. High oxidation stability limits in-service viscosity increases, which lead to energy losses
- **Extends equipment life**
Extremely effective EP system forms a protective film in areas of metal-to-metal contact, minimizing wear rates and maintaining efficient transfer of power. Good water separation and effective rust inhibitors protect surfaces against rust and corrosion. High thermal stability additive system reduces the formation of high temperature compounds which can be corrosive to bearing material. The effective corrosion inhibitor provides additional protection for metal components
- **Long oil life**
Effective oxidation inhibitors and copper passivator minimize oil oxidation, limiting viscosity increase and extending oil drain intervals



KEY PROPERTIES

ISO VG Grade	68	100	150	220	320	460	680	
AGMA Lubricant No.	2EP	3EP	4EP	5EP	6EP	7EP	8EP	
David Brown Grade	2E	3E	4E	5E	6E	7E	8E	
Pour Point, °C	-18.0	-18.0	-15.0	-15.0	-12.0	-12.0	-12.0	
Timken OK Load, kg	31.8	31.8	31.8	34.0	34.0	----	----	
Viscosity	mm ² /s@40°C	65.0	95.5	143.0	210.0	306.0	439.0	665.0
	mm ² /s@100°C	8.5	11.0	14.5	18.6	23.7	30.0	38.5
Viscosity Index	101.0	100.0	99.0	98.0	97.0	96.0	96.0	

ENVIRONMENTAL, HEALTH & SAFETY

Environmental, Health & Safety Information of this product is available in Synergy Material Safety Data Sheet (MSDS). Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain MSDS for this product, please contact Synergy Lubricant Technology Department.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variations not exacting performance can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.