

Delivering heavy duty performance.

# OGER EP

Industrial Gear Oil

Byco Oger EP is a high performance industrial gear lubricants that are formulated with sulfur-phosphorus additives, which includes rust and oxidation inhibitors. The product is designed primarily for industrial gears where loads and shock bearing capacities and impacts are high.



### Applications

- Enclosed industrial spur & bevel gear applications from standard to high load and extended duty applications.
- Used in spur, bevel, helical, worm and industrial hypoid gear cases where extra shock-load protection is needed or particulate contamination occurs.
- Suitable for use in reduction gear boxes in mining equipment, cement mills, ball and rolling mills, crushers, conveyors, kilns, winches, machine tools and marine equipment.
- Chain drives, sprockets and flexible couplings.

### Performance Level

- ANSI/AGMA9005-D94 [EP] (Grades 68 to 320)
- U.S. Steel 224 (Grade 68 to 320)
- David Brown, Table E, approved (Grade 68 to 460)
- DIN 51517 Part 3 (Grade 68 to 460)

### Performance, Features & Benefits

Byco Oger EP Gear Oils helps to improve system efficiency by:

- Protecting against impact of oil ageing and contamination for efficient lubricants.
- High thermal stability and extreme load pressure.
- Helps maintain clean gear and bearing surface, minimizing deposits that interfere with effective lubrication.
- Reduces energy loss and improves oil drain intervals.
- Protecting gears from wear and corrosion is important to prolong asset life and prevent breakdowns.
- Oger range of industrial oils offer protection on a wide range of applications that includes extreme pressure rolling contacts in spur gears to sliding contact in worm gears.
- Good water separation and effective rust inhibitors protect surfaces against rust and corrosion.
- High thermal stability additives reduces the formation of pitting and corrosion to ball bearing.

### Long Oil Life

- Longer oil life helps reduce fluids maintenance of your equipments to ensure operation without interruption.
- Oger EP range of lubricants enable you to match oil life to your operational needs.

### Key Properties

Properties	68	100	150	220	320	460	680	Test Method
ISO VG Grade	68	100	150	220	320	460	680	-
Viscosity@ 40°C mm <sup>2</sup> /s	68	100	150	220	320	460	680	ASTM D-445
Viscosity@100°C mm <sup>2</sup> /s	8.88	11.5	15.1	19.80	25.2	31.97	40	ASTM D-445
Viscosity Index	100	102	101	103	101	101	98	ASTM D-2270
Flash Point	235	235	262	234	248	265	265	ASTM D-92
Pour Point°C	- 18	- 18	-15	- 15	- 12	-12	-9	ASTM D-97
Timken OK Load, kg	60	60	60	60	70	70	70	ASTM D-2509

Note: The typical characteristics are given as a guide only and may vary according to latest production according to ISO.



### ENVIRONMENTAL, HEALTH & SAFETY

Environmental, Health & Safety Information of this product is available in Byco Material Safety Data Sheet (MSDS). Customers are encouraged to review this information, follow precautions and complying with the guidelines in consuming of the product, its use and disposal.

**byco**

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Product Data Sheet