

INDUSTRIAL GEAR OIL 680

Description

Industrial Gear Series is a line of exceptional performance, synthetic industrial gear oils designed to provide outstanding protection of gears and bearings, extended oil life even under extreme conditions, helping to enable problem-free operation of equipment and increased customer productivity. These scientifically engineered synthetic lubricants are formulated from synthetic base fluids that have exceptional oxidation and thermal properties and excellent low temperature fluidity.

REDEFINING LIQUID ENGINEERING

Performance Benefits

Superb protection from micro pitting fatigue wear as well as high resistance to traditional scuffing wear	Excellent shear stability
Effective oxidation inhibitors and copper passivator minimize oil oxidation, limiting viscosity increase and can extend oil drain intervals	Excellent resistance to rust and corrosion and very good demulsibility
Excellent compatibility with common gearbox materials and with mineral-based gear oils	

Applications

TESTING METHODS	RESULTS
SAE GRADE	680
VISCOSITY, ASTM D445	
cSt @ 40 °C	680
cSt @ 100 °C	38.3
Viscosity Index, ASTM D 2270	93
Sulfanated Ash, Wt%, ASTM D874	1.0



Total Base # , mg KOH/g, ASTM D 2896	N/A
Pour Point, °C, ASTM D 97	-18
Flash Point, °C, ASTM D 92	235
Density @ 15°C kg/l, ASTM D 4052	0.94

Approval

APPROVED: ANSI/AGMA 9005-E02 EP • AIST 224 (formerly U.S. Steel 224) (Grades 68 to 460) • David Brown, Table E, approved (Grades 68 to 1000) • DIN 51517 Part 3 CLP (Grades 68 to 680)

Health, Safety & Environment

Health and Safety

- Our Lubricant is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.
- Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.advancelubholdings.com>
- Protect the Environment Take used oil to an authorized collection point.
- Do not discharge into drains, soil or water. Additional Information Advice on applications not covered here may be obtained from our representative.