



Research & Development

PRODUCT DATA SHEET

AXCL INDUSTRIAL GEAR OIL

Description

AXCL Industrial Gear Oils are High performance and Premium Quality lubricant formulated with an advanced additive system providing rust and oxidation inhibition, corrosion and oxidation inhibition and a metal passivator. The Extreme Pressure characteristics imparted by its complex sulfur-phosphorus additive system enable high performance even in harsh conditions. Designed primarily for industrial gear lubrication services where loads and shock loadings are high.

Application

- 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, slide guides and flexible couplings
- Plain and rolling element bearings
- For bath, splash, circulation or spray lubrication, as applicable to the grade.

Performance Level

ANSI/AGMA 9005-D94[EP] (Grades 68 to 320), U.S. Steel 224 (Grades 68 to 320), AGMA 250.04[EP](Grades 68 to 680), David Brown Table E approved (Grades 68 to 680), AGMA 251.02[EP](Grades 68 to 680).

Benefits & Advantages

- Maintains gear set efficiencies.
- Extends equipment life.
- Long oil life
- Reduced wear and tear.
- High oxidation and thermal stability.

Specification & Parameter

S #	Test	Method	Result					
			100	150	220	320	460	680
1.	ISO GRADE	-	100	150	220	320	460	680
2.	Appearance	Visual	B&C	B&C	B&C	B&C	B&C	B&C
3.	Colour	D 1500	L2.5	L3.5	L4.5	L4.5	L4.5	L4.5
4.	Kin. Viscosity @ 100 °C	D 445	11.42	14.89	19.40	25.00	31.34	37.60
5.	Kin. Viscosity @ 40 °C	D 445	100.0	150.0	220	320	460	680
6.	Density @ 15.6 °C	D 1298	0.89	0.89	0.89	0.90	0.90	0.90
7.	Viscosity Index	D 2270	101	99	100	100	99	91
8.	Flash Point °C	D 92	≥ 235	≥235	≥242	≥266	≥ 265	≥ 285
9.	Pour Point °C	D 97	≤ -15	≤ -15	≤ -12	≤ -12	≤ -12	≤ -12
10.	Foam Seq I, II, III	D 892	PASS	PASS	PASS	PASS	PASS	PASS

*Technical data provided here is for reference only. Minor variations in product typical test data are to be expected.

AXCL XL-JET 2-Stroke Engine Oil

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