



# Product Data Sheet

## Aminol™ CircoSynth 680 LX

Circulating oil

### Product description

Aminol™ CircoSynth 680 LX is an exceptional performance circulating, gear, and bearing oil formulated with synthetic base fluids, enhanced with advanced anti-oxidant, anti-wear, anti-rust, and anti-foam additives. It provides outstanding performance, including energy efficiency, filterability, and long service life, even under extremely heavy-duty conditions.

### Application

- Filled-for-life gearboxes, particularly high ratio/low-efficiency worm gears
- Remote gearboxes, challenging for oil change-out
- Mixer roll bearings and roll neck bearings exposed to high temperatures
- Plastic calendars
- Severe centrifuge applications, including marine centrifuges

### Features & Benefits

- Exceptional thermal and oxidation stability
- Superb deposit and varnish control
- Effective lubrication at high temperatures
- High load-carrying capability
- Outstanding resistance to rusting and corrosion
- Remarkable seal compatibility

### Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	680
Density at 15°C	g/cm <sup>3</sup>	ASTM D 4052	0.863
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D 445	680
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	66.27
Viscosity Index	-	ASTM D 2270	170



Flash Point (COC)	°C	ASTM D 92	272
Pour Point	°C	ASTM D 97	-33
Copper Strip Corrosion	-	ASTM D 130	1b

Typical property characteristics are based on current production. Whilst future production will conform to Aminol™ specifications, variations in these characteristics may occur.

### Performance claims

- AGMA 9005-F16
- DIN 51517-3
- ISO 12925-1 Category CKT

### Health, Safety & Environment

- **Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: [www.aminol.az](http://www.aminol.az)

- **Protect the Environment**

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

### Available pack sizes

- 1 L Canister plastic
- 4 L Canister plastic
- 5 L Canister plastic
- 7 L Canister plastic
- 20 L Canister plastic
- 30 L Canister plastic
- 200 L Drum sheet metal
- 1000 L Container

### Storage

- We recommend to store all packages under cover.
- Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
- Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.



## Notes

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