GearSyn RO

Product Description

D-A **GearSyn RO** is a full synthetic, multipurpose rust and oxidation (R&O) inhibited industrial gear lubricant. **GearSyn RO** offers exceptional high temperature stability and excellent low temperature flow when lubricating industrial gear sets and bearings. D-A **GearSyn RO** rapidly separates from water while protecting metal surfaces from rust and corrosion. D-A **GearSyn RO** is extremely durable in severe service. This can result in an opportunity to reduce overall operating costs when compared to usage of mineral oil gear lubricants. Additionally, the D-A **GearSyn RO** formulation is optimized for use in positive displacement blowers, promoting maximum equipment life and minimizing wear. It is able to provide outstanding protection even in demanding operating conditions. D-A **GearSyn RO** can withstand blower discharge temperatures up to 250°F.

Product Features and Benefits

This full synthetic formulation provides outstanding resistance to high temperature thermal stress and oxidation. Longer oil life results while providing exceptional lubrication protection.

Excellent fluidity at low temperatures and low co-efficient of friction at all temperatures permits easier start-ups and energy efficient operation.

A unique combination of synthetic base oils and anti-wear additives provide low gear and bearing wear.

Special additives minimize corrosion of bronze and copper metals and at the same time protect iron and steel components from rusting.

Rapid water separation minimizes potential damage caused by exposure of lubricated surfaces to free water.

Longer oil life, longer gear and bearing life and excellent lubricity and flow properties provide reduced maintenance costs and greater operating efficiency.

Compatible with a wide variety of seal materials including Teflon®, fluorosilicone, polysulfide, polyacrylic, Viton®, fluorocarbon and nitrile Buna-N®.

D-A Lubricant Company, Inc.
801 Edwards Drive
Lebanon, IN 46052

dalube.com

Phone: 800.645.5823
Fax: 765.482.3065
Email: dalube@dalube.com

Typical Applications

Moderately loaded industrial gears
Stationary and mobile equipment, antifriction and journal bearings
Enclosed gearboxes requiring R&O lubricants
Steel-on-steel and steel-on-bronze fittings
Circulating oil systems
Positive Displacement Blowers (ISO 68-220)

Supports the performance requirements of:
AGMA 9005-E02 (R & O)
AIST (US Steel) 120
DIN 51515-1 (ISO 68, 100)
DIN 51524, Parts 1 and 2 (ISO 68-150)

Typical Properties

ISO Viscosity Grade	Test Method	68	100	150	220	320	460
AGMA Lubricant Number		2	3	4	5	6	7
Viscosity @ 100°C, cSt @ 40°C, cSt	 ASTM D445 ASTM D445	 10.3 68	 14 100	 19.1 151	 26 225	 33.3 321	 43.2 460
Viscosity Index	ASTM D2270	138	142	144	148	146	146
Pour Point, °F (°C)	ASTM D97	-35 (-37)	-36 (-38)	-36 (-38)	-35 (-37)	-30 (-34)	-20 (-29)
Flash Point, °F (°C)	ASTM D92	480 (249)	460 (238)	460 (238)	455 (235)	451 (233)	447 (231)
API Gravity	ASTM D4052	34.1	33.2	32.3	31.3	30.6	29.7
Copper Strip Corrosion	ASTM D130	1b	1b	1b	1b	1b	1b
Foam Test	ASTM D892	Pass	Pass	Pass	Pass	Pass	Pass

D-A Part Number:

Bulk	N/A	N/A	N/A	14851	N/A	14871
Tote – 330 Gal	N/A	N/A	14843	N/A	N/A	N/A
Drum – 400 lb	14822LB	14832LB	14842LB	14852LB	14862LB	14872LB
Pail (Metal) – 35 lb	14829LB	14839LB	14849LB	14859LB	14869LB	N/A
Pail (Plastic) – 35 lb	14828LB	14838LB	14848LB	14858LB	14868LB	14878LB