

Gear-Syn™ RO



Product Description

D-A Gear-Syn RO™ is a full synthetic, multipurpose rust and oxidation (R&O) inhibited industrial gear lubricant. Gear-Syn RO offers exceptional high temperature stability and excellent low temperature flow when lubricating industrial gear sets and bearings. D-A Gear-Syn RO rapidly separates from water while protecting metal surfaces from rust and corrosion. D-A Gear-Syn 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.

Product Features and Benefits

This full synthetic formulations 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 antiwear 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.

Gear-Syn™ RO



Service 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

AGMA 9005-E02 (R & O)
 AIST (US Steel) 120
 Cincinnati Machine - see table below
 DIN 51515-1 (ISO 68, 100)
 DIN 51524, Parts 1 and 2 (ISO 68-150)

Typical Properties:

ISO Viscosity Grade	68	100	150	220	320	460
AGMA Viscosity Grade	2	3	4	5	6	7
Cincinnati Machine	P54		P57	P39	P39	P39
Viscosity						
@ 100° C, cSt	10.3	14	19.1	26	33.3	43.2
@ 40° C, cSt	68	100	151	225	321	462
Viscosity Index	138	142	144	148	146	146
Pour Point, °F(°C)	-35(-37)	-36(-38)	-36(-38)	-35(-37)	-30(-34)	-20(-29)
Flash Point, °F(°C)	480(249)	460(238)	460(238)	455(235)	451(233)	447(231)
Water Demulsibility,						
min to 3 mL emulsion	10	10	10	10	15	20
Foam Test, Sequence I,II,III						
Tendency/Stability/ml/ml	————— 0/0, 0/0, 0/0 —————					
TOST, hrs	————— 10,000+ —————					
Copper Corrosion	————— 1b —————					
Rust Test	————— Pass —————					
FZG Scuffing Test, A/8.3/90°C	————— 12+ —————					
Specific Gravity, 60/60°F	0.854	0.859	0.864	0.869	0.873	0.878
Density, lbs.gal, 15.6°C (60°F)	7.13	7.13	7.21	7.25	7.29	7.33

To Order D-A Products, Call 1-800-OIL-LUBE (1-800-645-5823)
Or Fax orders to (317) 923-3884

D-A Lubricant Company, Inc.
1340 W. 29th Street, Indianapolis, IN 46208 (317) 923-5321 • (317) 923-3884 FAX
www.dalube.com • dalube@dalube.com