READILY BIODEGRADABLE, INDUSTRIAL ISO 68 GEAR OIL

Description

RSC *EnviroLogic*® GO 68 is a readily biodegradable synthetic gear oil for use in industrial applications. RSC *EnviroLogic*® GO 68 is an ISO 68 viscosity grade, AGMA 2EP oil, having the highest anti-wear/extreme pressure properties, excellent corrosion and rust protection, and outstanding system cleanliness characteristics. The excellent performance characteristics of RSC *EnviroLogic*® GO 68 make it suitable in a wide variety of industrial gear applications where incidental exposure of the oil to the environment is of concern. Examples are off-shore oil and gas, marine transportation & construction, steel milling, mining, and power utility operations. In addition, it can directly replace petroleum oil based products of the same viscosity, yet has reduced environmental impact in the event of a leak or spill, as it is readily biodegradable and non-sheening*.

RSC *EnviroLogic*® GO 68 Series meets most stringent extreme FZG wear/extreme pressure test combinations of temperature, speed and pressure.

It is an Environmentally Acceptable Lubricant (EAL) compliant with 2013 US EPA Vessel General Permit (VGP).

RSC *EnviroLogic*® GO Series meets the requirements for various manufacturers. Visit our website or contact customer service for a full list of OEM approvals.

Property	**Method**	**Spec.**	**Result**
Kinematic Viscosity	D445		
At 40ºC, cSt		61.2 – 74.8	68
At 100ºC, cSt			12
Viscosity Index	D2270		>175
Density (60ºF), g/cm^3	D4052		0.86
Pour Point, ºC	D97	-12 min.	-42
Property	**Method**	**Spec.**	**Result**
Flash Point (COC), ºC	D92		180
Copper Corrosion	D130		
3 Hrs. @ 100°C		1b min.	1b
Steel Pin Corrosion (4 hours, 140ºF)	D665		
Deionized Water		Pass	Pass
Synthetic Salt Water		Pass	Pass
Foam Properties	D892		
Sequence I, mL	Tendency/Stability	50/0	10/0
Sequence II, mL	Tendency/Stability	50/0	10/0
Sequence III, mL	Tendency/Stability	50/0	10/0

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Property	Method	Spec.	Result
Demulse Properties (54ºC)	D1401		
Oil / Water / Emulsion			40 / 40 / 0
Minutes		30 max.	5
TOST Oxidation	D943		
Hours to TAN of 2.0 mg			>1500
KOH/g			---
Air Release	D3427		
@ 90°C	9 max.		8.6
Four Ball EP	D2783		
Weld Load	250 min.		315
LWI, kg	45 min.		48.7
Four Ball Wear	D4172 Mod.		
54°C/1800 rpm/20 kg/1 Hr.	Scar, mm		0.304
FZG	D5182		
Pass Stage			>14
Gear Oil Oxidation	D2893B		
Δ 100°C K.V. @ 312 Hrs.	6% max.		4.2%
Elastomer Compatibility			
Buna N (100°C 168 Hours)			Pass
Viton (150°C 168 Hours)			Pass
Biodegradability	D7373	60% min.	> 60
Ecotoxicity			
Fathead minnow	OECD 203	>100mg/L	> 1000 mg/L
Daphnia	OECD 202	>100mg/L	> 130 mg/L
Algae	OECD 201	>100mg/L	> 120 mg/L

* CFR40 Part 435B

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