

LUBRICUS® R&O 320

Description

Lubricus® Premium R&O Series is a rust and oxidation-inhibited industrial oil with ashless wear protection formulated from premium hydrotreated base stocks.

Lubricus® Premium R&O Series is specially formulated with proprietary additive chemistry and is recommended for use in a variety of systems which require rust and oxidation-inhibited oils. The added benefit of mild antiwear protection can significantly increase equipment life, particularly in these hardworking times. These applications include general oiling, air compressors, steam turbines, hydraulic systems, circulating oil systems, oil-filled couplings, centrifugal pumps and lightly loaded gearboxes.

Benefits

Exceptional oxidation resistance and thermal stability

Long life, cleaner systems

Non-zinc anti-wear (ashless)

Long life oil

Excellent control of varnish and deposits

Rapid water separation and good hydrolytic stability

Superior rust and corrosion protection

Quick foam release

PLAIN BEARING LUBRICATION

Premium R&O Oils are recommended for use in circulating oil systems and other bearing lubrication applications. The correct viscosity grades for various plain bearing rotation speeds and operating temperatures are shown below:

	TEMP BEARING SPEED (RPM)		
°C	Below 300	300 - 2000	Above 2000
Below 0	Premium R&O 32	Premium R&O 32	Premium R&O 32
0 - 60	Premium R&O 46	Premium R&O 46	Premium R&O 32
60 - 93	Premium R&O 100 Premium R&O 150	Premium R&O 68 Premium R&O 100	Premium R&O 46
Above 93	Premium R&O 320	Premium R&O 220	Premium R&O 220

ANTI-FRICTION BEARING LUBRICATION

The correct viscosity grades for various anti-frictions bearing speed factors (bore diameter in inches x rpm) and operating temperatures are shown below:

	OPER. TEMP		
°C	Below 300	300 - 2000	Above 2000
Below 0	Premium R&O 32	Premium R&O 22	Premium R&O 10
0 - 60	Premium R&O 32	Premium R&O 22	Premium R&O 10
60 - 93	Premium R&O 150	Premium R&O 68	Premium R&O 46
Above 93	Premium R&O 320	Premium R&O 220	Premium R&O 150

When an assembly contains bearings of different speed factors that are lubricated in a common system, use the average of the various speed factors to select the viscosity grade. Premium R&O 46 is GM LS2 LB-04-01-00, (general purpose oil) approved.

TYPICAL PROPERTY	22	32	46	68	100	150	220	320	460
Viscosity, cSt @ 40°C	21.2	31.6	45.8	68.0	100	150.4	222.3	319.7	456.1
Viscosity, cSt @ 100°C	4.2	5.4	6.8	8.8	11.2	14.7	19.1	24.1	30.2
Viscosity Index	132	131	120	110	100	96	96	96	96
Flash Point, °C	210	232	248	254	266	270	286	294	310
Pour Point, °C	-30	-35	-25	-20	-25	-15	-15	-15	-15
Copper Corrosion (100°C, 3h)	1-a	1-a	1-a	1-a	1-a	1-a	1-a	1-a	1-a
Rust Test Procedure A&B, 48 hours	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foaming Tendencies, Seq I	10/0	10/0	10/0	10/0	10/0	10/0	10/0	10/0	10/0
Foaming Tendencies, Seq II	10/0	10/0	10/0	10/0	20/0	20/0	20/0	20/0	20/0
Foaming Tendencies, Seq III	10/0	10/0	10/0	10/0	10/0	10/0	10/0	10/0	10/0
TAN mgKOH/g	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Emulsion Characteristic	<10	<10	<10	<15	<15	<15	<15	<15	<20

Packing Size

18L-pail, 209L-drum