

CHEM-LUBE Hyd R&O SERIES

Recommended Applications

CHEM-LUBE Hyd R&O SERIES OILS are recommended for use in large turbines and other circulating lubrication systems where exceptionally stable and long-life oils are needed to assure good equipment performance. They are also recommended for electric motor and generator sets, all types of non-EP gear and bearing lubrication, and any applications where highest quality R&O lubrications are specified. Other typical uses include textile and machine tool spindles, twister rings, vacuum pumps, and some air compressors.

Application

CHEM-LUBE Hyd R&O SERIES OILS may be applied by hand or by means of any typical lubrication appliance or oiler, including sight feed and pressure feed types. They may also be used with centralized systems suitable for oils of this viscosity range.

Important Characteristics

CHEM-LUBE Hyd R&O SERIES OILS have excellent stability for longer life and excellent rust and corrosion protection for longer equipment life. It also has excellent demulsibility for better separation of water contamination. The R&O Series Oils has Anti-Foam Protection, to provide uniform lubrication by quickly releasing surface air. It has Zinc Free Chemistry.

Typical Properties

ISO GRADE		15	22	32	46	68	100	150	200
PROPERTY	TEST METHOD								
Viscosity, cSt									
@ 40°C	D445	15.0	22.0	32.0	46.0	68.0	100.0	150.0	220.0
@ 100°C	D445	3.34	4.3	5.4	6.9	8.9	11.5	14.7	18.6
Viscosity,SUS									
@ 100°F	D2161	82.4	115	165	237	352	521	788	1165
@ 210°F	D2161	37.5	41.0	44.0	49.0	56.0	65.7	78.6	95.0
Viscosity Index	D2270	88/90	98	105	105	104	101	97	94
Flash Point, °C(°F)	D92	188(370)	202(395)	218(425)	232(450)	246(475)	258(495)	262(504)	268(515)
Pour Point, °C(°F)	D97	-21(-5)	-15(5)	-33(-30)	-15/<-30	-12/<-27	<-12(10)	-18(0)	-18(0)
Color	D1500	L1.0	L1.0	1.0	L1.0	2.5	L4.0/L1.5	4.0	5.0/4.0
Gravity, API	D287	32.0/33.5	32.0/33.0	32.0	31.5	31.5/30.5	30.5	29.0	28.5
Total Acid No. MgKOH/gm	D664	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Copper Strip, Glass 3 hrs/100°C (212°F)	D130	1A	1A	1A	1A	1A	1A	1A	1A
Sulfated Ash,%	D482	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Rust Test	D665 A&B	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Demulsibility									
Sep., Mins.									
@ 54.4°C(130°F)	D1401	3-5	3-10	3-10	3-10	3-10	-----	-----	-----
@ 82.2°C(180°F)	D1401	-----	-----	-----	-----	-----	3-10	<3-20	3-10
Foam Test,									
Tend./Stab. D892									
Sequence I, cm3		10/0	10/0	10/0	10/0	0/0	0/0	0/0	0/0
Sequence II, cm3		20/0	20/0	20/0	20/0	10/0	10/0	Tr/0	Tr/0
Sequence III, cm3		10/0	10/0	10/0	10/0	0/0	0/0	Tr/0	Tr/0
Turbin Oil Oxid. Test	D943	>2500	>2500	4000/3000	>2500	>2500	>3000	>2200	>1500
Life hrs. To 2.0 TAN									