

## MULTIPURPOSE R & O OIL ISO GRADES 22 - 680

	<u>Typical Properties</u>									
ISO Grade	22	32	46	68	100	150	220	320	460	680
AGMA Number	--	--	1	2	3	4	5	6	7	8
Viscosity, cSt										
At 40 °C	22.2	32.1	46.1	68.0	100.7	150.8	220.0	321.4	460.6	681.3
At 100 °C	4.1	5.0	6.2	7.8	9.9	12.8	16.2	20.5	25.5	32.3
Viscosity, SUS										
AT 100 °F	113	167	241	353	529	812	1066	1727	2512	3691
At 210 °F	41	44	48	53	61	72	86	104	127	159
Pour Pt, Deg ° F/C	-20/-29	-20/-29	-10/-23	-10/-23	0/-18	0/-18	10/-12	10/-12	15/-9	15/-9
Flash Pt., COC, ° F/C	385/196	390/199	405/207	425/218	440/227	465/241	485/252	500/260	520/271	540/282
Rust Test, ASTM D-665	-----Passes Procedures A & B----->									
Dielectric Strength (KV)	30	30	30	30	30	30	30	30	35	35
Gravity, API @60 °F(min)	28	27	27	26	25	24	23	23	22	21

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

Multipurpose R & O Oils are compounded from highly refined mineral base stocks to enhance oxidation stability and impart rust/corrosion control as well as foam suppressant characteristics. The product has been formulated with a wide range of viscosities to accommodate applications in a variety of mechanical systems.

### APPLICATIONS

Multipurpose R & O Oils are recommended for their anti-rust/corrosion feature and oxidation stability that minimizes viscosity increase and sludge formation at normal operating temperatures with good water separability. The product can be used in equipment where anti-wear properties are not required. They are suitable for general lubrication including air compressors, low pressure hydraulic systems, circulating oil systems, centrifugal pumps and lightly loaded gearboxes.