MULTIPURPOSE INDUSTRIAL R&O "DTM" OIL
ISO GRADES 68 - 680

Typical Properties

ISO Grade	68	100	150	220	320	460	680
AGMA Number	2	3	4	5	6	7	8
Viscosity, cSt							
At 40°C	67.6	101.8	147.8	220.9	320.9	475.3	678.3
At 100°C	8.5	11.2	14.4	18.8	24.0	31.0	39.0
Viscosity, SUS							
AT 100°F	353	460	788	1166	1707	2478	3691
At 210°F	52	62	73	85	106	132	159
Viscosity Index	95	95	95	95	95	95	95
Pour Pt, Deg F/C	-13/-25	-4/-20	5/-15	5/-15	10/-12	10/-12	15/-9
Flash Pt., COC, F/C	445/229	465/241	490/254	520/271	535/279	565/296	590/310
Rust Test, ASTM D665	|<----------Passes Procedures A & B----------|						
Oxidation Test, ASTM D-943, Hrs.	3500	3500	2500	2000	2000	1500	900
Dielectric Strength (KV)	30	30	30	30	30	35	35
Gravity, API @ 60°F	30.0	29.0	27.5	27.0	26.5	25.5	25.0

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 Industrial R&O DTM Oils are manufactured from highly refined base stocks and compounded with additives to impart rust and corrosion control, resist thermal oxidation, as well as provide foam suppressant characteristics. They exhibit excellent demulsibility that allows rapid water/oil separability. The product has been formulated with a wide range of viscosities to accommodate applications in a variety of mechanical oil circulating systems.

APPLICATIONS

Multipurpose Industrial R&O DTM Oils are recommended for their oxidation and thermal stability to minimize viscosity increase and sludge formation at elevated operating temperatures. They can be utilized in general industrial circulating oil systems, plain and roller bearing lubrication, and compressors discharging a variety of gases. The product is especially suitable for 'Morgoil®' type bearing and steel mill lubrication.