PINNACLE RESOURCES, INC.

Technical Data Sheet

MULTIPURPOSE INDUSTRIAL R&O "DTM" OIL

ISO Grades 68, 100, 150, 220, 320, 460, 680

Product Description

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.

Typical Properties

Property	ISO 68	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460	ISO 680
AGMA Number	2	3	4	5	6	7	8
Viscosity, cSt @ 40°C	67.6	101.8	147.8	220.9	320.9	475.3	678.3
Viscosity, cSt @ 100°C	8.5	11.2	14.4	18.8	24.0	31.0	39.0
Viscosity Index	95	95	95	95	95	95	95
Pour Point, °F/°C	-13/-25	-4/-20	5/-15	5/-15	10/-12	10/-12	15/-9
Flash Point, COC, °F/°C	445/229	465/241	490/254	520/271	535/279	565/296	590/310
Rust Test, ASTM D665	Pass	Pass	Pass	Pass	Pass	Pass	Pass
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.