



DYNO-TECH SYNTHETIC R&O TURBINE OILS

Sinclair Dyno-Tech Synthetic R&O Turbine circulating lubricants are premium quality, polyalphaolefin (PAO) synthetic lubricants designed to satisfy the lubrication requirements of industrial bearings and light to moderately loaded gear snot requiring extreme pressure formulated lubricants. These lubricants are formulated with highly effective ash-less additives to provide superior oxidation resistance; thermal stability, excellent water separation and outstanding protection against wear. Sinclair Dyno-tech Synthetic R&O Turbine circulating lubricants provide end users an opportunity to extend service intervals. These lubricants are especially suited for use in extremely high or low temperature applications.



APPLICATIONS

Sinclair Synthetic R&O Turbine circulating lubricants are designed for use in:

- Industrial bearings
- Circulating oil systems
- Paper machine and dryer bearings
- Calendar stacks, winders, speed reducers and roller chains
- Large anti-friction and journal bearings
- Light to moderately loaded gear systems not requiring extreme pressure formulated lubricants
- ISO 32, 46, 68, 100 grades can be used in oil flooded rotary vane and screw-type air compressors.

To ensure proper lubrication in all cases, consult the operator's manual.

ADVANTAGES

Extended Service Intervals - Sinclair Synthetic R&O Turbine circulating lubricants are designed to perform under severe operating conditions and to combat the buildup of harmful acids created from thermal and oxidative stress, which can diminish the useful life of an R&O Turbine circulating oil.

Outstanding Oxidation and Thermal Stability - Thermally stable additive package combined with premium quality polyalphaolefin (PAO) base stocks provides excellent resistance to the formation of sludge, varnish and carbon deposits.

Wide Operating Range - The combination of oxidation stability and low pour points makes these products applicable over a wider range of temperatures than mineral oils. The low pour point allows startup and rapid fluid circulation at lower temperatures.

Reduced Inventory - Highly versatile, ashless additive package allows Sinclair Synthetic R&O Turbine circulating oils to be used in a variety of applications including anti-wear hydraulic systems, oil flooded rotary vane and screw-type compressors, industrial bearings and light to moderately loaded gear systems not requiring extreme pressure formulated lubricants. This helps reduce lubricant inventory and minimize misapplication of lubricants.



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TYPICAL PHYSICAL PROPERTIES

Viscosity Grade	METHOD		TYPICAL RESULTS			
	ASTM	R&O Turbine ISO	ISO 32	ISO 46	ISO 100	ISO 150
Gravity, °API	ASTM D287		39.95	39	37.56	37.29
Specific Gravity @ 60°F (15.6°C)	ASTM D4052		0.8253	0.8299	0.837	0.8383
Viscosity @ 40°C cSt	ASTM D445		31.03	46.29	102.73	150.2
Viscosity @ 100°C cSt	ASTM D445		6.29	8.52	14.87	20.93
Viscosity Index	ASTM D2270		158	164	151	163
Color	ASTM D1500		0.5	0.5	0.5	0.5
Phosphorus, wt. %	ASTM D5185		0.003	0.003	0.003	0.003
Sulfur, wt. %	ASTM D4951		0.011	0.011	0.011	0.011
Nitrogen, wt. %	ASTM D4629		0.0164	0.0164	0.0164	0.0164

Description	Pack Size	Part #	Each UPC	Case UPC	Case Dimensions	Case Cube / Pallet Cube	Case Weight / Pallet Weight	Pallet Stack
Synthetic R&O Turbine ISO 32	55 Gallon	766-003	0 14168-01745 9	N/A	L 23.000 x W 23.000 x H 35.000	10.715 / 44.444	430.540 / 1722.172	4 Drums
Synthetic R&O Turbine ISO 46	55 Gallon	767-003	0 14168-01704 6	N/A	L 23.000 x W 23.000 x H 35.000	10.715 / 44.444	415.855 / 1663.420	4 Drums
Synthetic R&O Turbine ISO 100	Bulk	768-001	N/A	N/A	N/A	N/A	N/A	N/A
Synthetic R&O Turbine ISO 150	55 Gallon	769-003	0 14168-01705 3	N/A	L 23.000 x W 23.000 x H 35.000	10.715 / 44.444	417.890 / 1671.560	4 Drums

