PERFORMANCE

Premium R&O Industrial/Turbine Oil

SWEPCO 708 Premium R&O Industrial/Turbine Oil is a premium quality, extended service industrial oil formulated to provide superior performance under the most demanding operating conditions. Industrial and turbine equipment manufacturers agree: sludge, varnish and carbon deposits resulting from oxidation of the oil are the number one cause of equipment operation inefficiencies and failure. SWEPCO 708 is specifically designed to combat friction and wear resulting from high temperatures (oxidation), water, contaminants and heavy loads... providing much longer equipment and oil life. With lower operating temperatures, equipment using 708 will experience longer lasting, improved pliability of seals resulting in less oil leakage and less oil consumption.

SWEPCO 708 Premium R&O Industrial/Turbine Oil is capable of reducing operating temperatures as much as 20% and electrical requirements as much as 13% in a wide range of industrial applications.

SWEPCO 708 is blended from the very finest high VI paraffinic base stocks available and the most advanced additive chemistry. Inherently superior in resistance to heat and oxidation, SWEPCO's base stock is further enhanced with a highly effective oxidation inhibitor, delivering protection far above that found in ordinary commercial oils.

SWEPCO's Energy Savings Program (ESP) has documented 708 is capable of reducing electrical loads as much as 13% ... yielding corresponding energy savings.

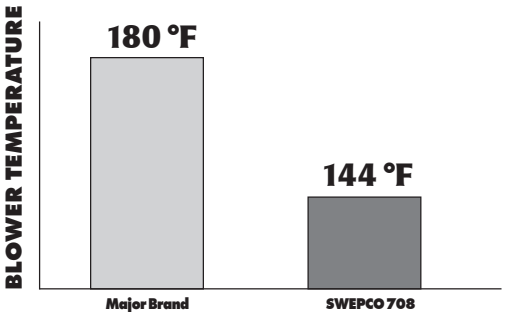
Provides clean, efficient, long-lasting service in all types of equipment including sump, mist and oil circulating systems and systems operating at extreme temperatures. SWEPCO 708's extended service intervals translate into less waste oil disposal and reduced maintenance costs.

SWEPCO 708 excels in a wide range of common industrial applications, including:

- Vacuum Pumps
- Gear Reducers
- Gearboxes
- Industrial Turbines
- Steam Turbines
- Blowers
- Air Line Oilers
- Circulating & Splash Systems
- Boiler Feed Pumps
- Mist Systems
- Oil Cups
- Freezer Drive Chains
- Cooling Towers
- Loom Bearings

Feature	Benefit
High VI Base Stock	• Provides you with a more uniform viscosity over a wide temperature range • Helps improve high temperature oxidation and thermal stability • Better low temperature flow characteristics help reduce start-up wear • Extends service life
Oxidation Inhibitor	• Reduces oil thickening • Helps prevent sludge, varnish and carbon deposits that result from oxidation
Rust and Corrosion Inhibitor	• Builds a chemical bond with the surface to keep moisture and acids from penetrating and attacking the surfaces • Rust Inhibitor protects metal surfaces and seals from moisture. Particularly effective during periods of shutdown, where cooling may cause condensation
Anti-Foam Additive	• Can lower oil operating temperatures up to 25 degrees F. or more by dispersing the foam and releasing the trapped heat
Oiliness Additive	• Enables the oil to penetrate the surface for better lubrication
Pour Point Depressant Additive	• Gives the oil better low temperature flow characteristics • Helps to reduce low temperature start-up wear
Energy Savings	• Increased "oiliness" provides a thin friction reducing film to reduce electrical utility consumption. Many customers have achieved as much as a 13% amperage savings
Long Life	• Longer drain cycles reduce requirements for waste oil disposal
USDA/NSF/CFIA Compliant	• Use with total confidence for USDA/NSF H2 or CFIA n1 compliance in closed lube systems in food processing applications

SWEPCO 708 Reduces Operating Temperatures



"We changed over to SWEPCO Industrial/Turbine Oil after the failure of three of our blowers. They were running at maximum load, generating extreme heat. A measurable reduction in operating temperature (approximately 20%) was observed, and no blower failures have occured since changing over to Industrial/Turbine Oil. In addition, the oil has held up longer between changings."

Wilbert Barbian,
Maintenance Dept. Supervisor,
Springdale Water Utilities

Typical Physical Properties

ISO Grade	32	46	68	100	150	220
SAE Grade	10	15	20	30	40	50
Specific Gravity, @ 60° F.	0.869	0.872	0.874	0.875	0.879	0.885
Viscosity, SUS @ 100 ° F	170	240	315	500	700	1180
Viscosity, SUS @ 210 ° F	45	48	56	64	77	94
Viscosity, cSt @ 40 ° C	31	46	68	100	150	200
Viscosity, cSt @ 100 ° C	5.5	6.9	9.2	11.3	14.5	18.9
Viscosity Index	99	99	99	98	98	98
Color	amber	amber	amber	amber	amber	amber
Pour Point ° F, Max (°C)	-20 (-29)	-18 (-28)	-15 (-26)	-10(-23)	0(-18)	5 (-15)
Flash Point, COC, ° F (°C)	420 (215)	430 (221)	455 (235)	460 (238)	465 (240)	465 (240)

Performance Properties

Copper Strip Corrosion, ASTM D-130, Color	1	1	1	1	1	1
Rust Test, ASTM D-665, Distilled Water	pass	pass	pass	pass	pass	pass
Rust Test, ASTM D-665, Salt Water	pass	pass	pass	pass	pass	pass
Oxidation Stability, ASTM D-943, Hours	>2,700	>2,700	>2,700	>2,700	>2,700	>2,700
Pump Wear, Vickers, ASTM D-2882	pass	pass	pass	pass	pass	pass
Foam Test, ASTM D-892, 10 minutes	none	none	none	none	none	none

A Product of SPX Technology™.

... the cutting edge performance SWEPCO Customers have come to expect.

ilma Member NLGI Member STLE Member ISO 9001 BUREAU VERITAS Certification ENERGY STAR PARTNER QUALICHEM MEMBER UEIL Member LG Member

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