



an EnPro Industries company



# QuinSyn® Warranty Fluids



QUINSYN® PLUS  
QUINSYN® XP  
QUINSYN® PG  
QUINSYN® F

## QUINSYN® WARRANTY FLUIDS

### PEACE OF MIND WHILE REDUCING PRODUCTION COSTS

Quincy Compressor engineers painstakingly select every component with reliability in mind. QuinSyn® fluids are no exception, and one benefit of maintaining a factory warranty includes the peace of mind that comes with relying on genuine parts.

Fluids directly impact the cost of ownership of your compressor. Through extensive tests, QuinSyn® fluids have proven that they can reduce energy consumption, reduce MRO costs including labor and component replacement costs, reduce waste disposal cost and reduce lost productivity

due to extended equipment downtime – all of which affect your bottom line.

Maintaining a Quincy Compressor warranty is easy with a complete line of complementary parts and fluids that will extend the life and performance of every Quincy compressor. Compliance requires that users test fluids every 2,000 hours, or as directed by the analysis report, and that only genuine fluids are used throughout the warranty period. Consult your authorized Quincy distributor for expert service and recommendations to meet specific air compressor fluid needs.

### The Benefits of Quincy QuinSyn® Warranty Fluids

- Specifically developed in response to the demanding needs of Quincy customers in all kinds of production environments
- Designed to achieve the maximum performance of your Quincy rotary screw compressor
- Lab and field tested in thousands of machines with millions of hours of successful operation
- Compatible with all Quincy Compressor parts ranging from heat exchangers to compressors
- QuinSyn® Fluids ensure the validity of your five or ten-year compressor warranty. Contact a Quincy authorized distributor for details
- Quincy's fluid analysis service includes:
  - Easy-to-read reports that give detailed action items and instructions such as when to sample again, what parameters are abnormal and possible steps that may help you alleviate any problems
  - Results from the last three sampling dates and the subsequent data, making it easy to compare results from past samples
  - Specific knowledge of the fluid's chemical make up for the best analysis possible
  - State-of-the-art equipment to provide the most accurate report
  - Reliable results delivered in a timely manner
  - Accurate determination of fluid life expectancy



## EVERY QUINCY QUINSYN® FLUID IS FORMULATED FOR A VERY SPECIFIC APPLICATION AND ENVIRONMENT

### QuinSyn® XP

QuinSyn® XP is a custom blended polyol ester (POE) long life synthetic fluid. It is ideal for rotary screw air compressor applications where fluid is exposed to elevated temperatures for extended periods of time. Accelerated tests show QuinSyn® XP has at least four times the life of conventional Diester oils. QuinSyn® XP is especially advantageous in high temperature applications. It does not leave varnish or sludge when it oxidizes. QuinSyn® XP's high quality base stock, coupled with state-of-the-art additive technology, results in performance improvements beyond mineral oil and other synthetic air compressor lubricants. This product is a factory-fill fluid for the 10-year Royal Blue Warranty program.



### QuinSyn® Plus

QuinSyn® Plus is the next generation custom-blended polyalphaolefin PAO/polyol ester (POE) synthetic hydrocarbon fluid. Improvements over QuinSyn® include more forgiveness in higher temperature applications, longer life in harsh plant environments, and better resistance to forming sludge or varnish in the compressor. QuinSyn® Plus is designed with a life expectancy of 8,000 to 10,000 hours under normal operating conditions. This product is a factory-fill fluid for the 10-year Royal Blue Warranty program.



### QuinSyn® F

QuinSyn® F is a custom-blended food-grade polyalphaolefin (PAO) synthetic hydrocarbon fluid with improved lubrication at high and low temperatures, reduced volatility and compatibility with mineral oils and equipment designed for use with mineral oils. USDA authorizes QuinSyn® F for use in federally inspected meat and poultry plants (H-1). It also complies with FDA 21 CFR 178.3570-Lubricants with Incidental Food Contact. QuinSyn® F is designed with a life expectancy of 6,000 hours under normal operating conditions. This product is a factory-fill fluid for the 10-year Royal Blue Warranty program.



### QuinSyn® PG

QuinSyn® PG is a custom-blended polyalkylene glycol (PAG/ester) fluid. This formulation offers improved lubrication at high and low temperatures, reduced volatility and a high viscosity index – plus excellent corrosion protection. QuinSyn® PG will not leave behind carbon residue and varnish when it oxidizes. It is ideal for hot and humid environments or in applications prone to varnish build up. This product is a factory-fill fluid for the 10-year Royal Blue Warranty program.



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## QUINSYN® WARRANTY FLUIDS PERFORMANCE AND PROPERTIES

Quincy Brand	QuinSyn F	QuinSyn Plus	QuinSyn PG	QuinSyn XP
Type	PAO	PAO/POE Blend	PAG	POE
Viscosity Index	Good	Good	Good	Good
Low-temperature Fluidity	Good	Good	Good	Good
Oxidation Resistance	Very Good	Excellent	Good	Excellent
Compatibility with Mineral Oils	Excellent	Good	Fair	Fair
Low Volatility	Excellent	Excellent	Good	Excellent
Hydrolytic Stability	Excellent	Good	Very Good	Good
Antirust Properties	Excellent	Good	Excellent	Good
Additive Solubility	Good	Good	Good	Excellent
Thermal Stability	Good	Excellent	Good	Excellent
Water Solubility	Nil	Nil	Excellent	Nil
Life Expectancy (Hours)	6,000	8,000-10,000	8,000	12,000-15,000

Property	ASTM Test	QuinSyn F	QuinSyn Plus	QuinSyn PG	QuinSyn XP
ISO Grade	D-2422	46	46	46	68
Viscosity at 40° C	D-445	46.9	46.3	41.9	64.5
Viscosity at 100° C	D-445	7.9	7.5	7.5	8.5
Viscosity Index	D-2270	139	127	146	101
Specific Gravity at 60° F	D-1298	0.83	0.88	0.95	0.96
Density (lbs./gal.)	D-1298	6.91	7.39	7.86	7.99
Flash Point (°F)	D-92	475	540	480	495
Pour Point (°F)	D-97	-76	-58	-49	-25
Auto Ignition Temp (°F)	D-2155	695	N/A	N/A	865
Foam Test Sequence II	D-892	< 25 mL	< 25 mL	< 25 mL	< 25 mL

Only genuine QuinSyn® fluids fulfill warranty obligations with Quincy Compressor.



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