



QuinSyn  
Aftermarket Fluids



# QuinSyn Aftermarket Fluids

Specially Formulated to Improve Rotary Screw  
Compressor Efficiency & Reliability



## Quality Comes in All Shapes and Sizes – But Just One Color.

### The Truth about Mixing Your Air Compressor Fluid

Quincy Compressor strongly discourages the mixing of products from other suppliers with Quincy supplied fluids. Such mixing can result in reduced equipment and/or fluid life, malfunctions and/or lowering of system efficiency and possibly catastrophic system failure.

Also, if the equipment supplier/servicer has provided a warranty tied to the use of Quincy Compressor fluids, such a warranty will likely be voided with evidence of mixed fluids. Often times, failure modes develop over time and therefore may not be evident immediately. Regardless, Quincy Compressor or its agents and distributors will not be accountable in any way for failures resulting from co-mingled fluids.

That's why mixing fluids from a variety of suppliers with Quincy Compressor fluids is not a good idea. The truth is, there are four costly consequences that may result. Find out what they are at: <http://www.quincycompressor.com/the-truth-about-comingling/>

### Quality Comes in All Shapes and Sizes – But Just One Color.

Air compressors are vital power sources for many businesses, and they have a variety of applications for use. From start-and-stop use in an auto repair shop to twenty-four-hour daily operation in a factory or other industrial setting, the process of pressurizing air is a common business operation, and it needs to be efficient.

Air compressors can work long and hard depending on your environment, so it's important to keep the internal workings of your air supply system well maintained to benefit your business production and profits. Every part has a specific function. If those parts aren't maintained properly, it can affect air supply, energy consumption, and the frequency of service.

Avoid unnecessary expenses from improper maintenance. Follow the scheduled replacement of consumable parts by giving top priority to documented maintenance and daily attention to the operation of your compressor.

Whether you have a reciprocating piston compressor or the industrial model of our rotary screw technology, parts will need to be replaced from time to time. You can greatly reduce the frequency of repairs and worn-out parts by always using the appropriate, genuine Quincy parts and fluids for your compressor.

After almost a century of compiling compressed air knowledge, Quincy designs compressors, parts, and fluids with cutting edge technology – all with the voice of our customers in mind. The critical nature of your compressed air system means you're depending on it to improve production and earn profits, which is why we always aim to provide you with the legendary performance and reliable products.

# QuinSyn® Aftermarket Fluids

## Increasing Efficiency While Reducing Production Costs

Everyone is looking for new ways to help improve the bottom-line. However, when it comes to fluids for your rotary screw compressor, you have to consider the complete picture.

While competitive fluids that meet published specifications might seem like a good bottom-line decision, cheaper blends do not always translate into bottom-line savings over time. This is why Quincy QuinSyn® Fluids are uniquely formulated to improve the efficiency and reliability of your compressors.

Fluids directly impact the cost of ownership of your compressor. Through extensive tests, Quincy 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.

### The Benefits of Quincy QuinSyn® 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
- Quincy Compressor offers extended airend warranty programs after the original machine warranty expires. If you have an interest in extending the warranty of your Quincy compressor, contact your local Quincy distributor for details at [quincycompressor.com/locator.html](http://quincycompressor.com/locator.html)

## Every QuinSyn® Fluid is Formulated for a Very Specific Application and Environment

### QuinSyn® Endura

QuinSyn® Endura is a custom blended polyol ester (POE) long life synthetic fluid blend. It is ideal for the harshest of rotary screw air compressor applications where the fluid is exposed to elevated temperatures for extended periods of time. Testing shows that QuinSyn® Endura has an expected service life of 10,000 hours or more even in the most demanding industrial environments. It does not leave varnish or sludge when it oxidizes like other conventional synthetic or mineral oil based fluids. QuinSyn® Endura's high quality base stock, coupled with state-of-the-art additive technology, results in performance that is unparalleled in the rotary compressor aftermarket industry.

- Extreme temperature environments
- High pressure applications >175 PSIG
- Extended service interval and remote installations



### **QuinSyn® Flex**

QuinSyn® Flex is a blended polyalphaolefin (PAO)/hydro-treated mineral oil/diester rotary screw air compressor fluid that provides improved lubrication at high and low temperatures, reduced volatility, and compatibility with mineral oils and equipment designed for use with mineral oils. Designed exclusively by Quincy, QuinSyn® Flex outperforms any comparable 8,000 hour lubricant. QuinSyn® Flex is formulated from synthetic base stocks along with corrosion and oxidation inhibitors, which all promote the longevity of the lubricant as well as the rotary screw air compressor. QuinSyn® Flex also readily separates from water and is compatible with the gravity type oil/water separators.

- General purpose environments
- Lowest cost alternative to OEM fluids

### **QuinSyn® Edge**

QuinSyn® Edge is the next generation custom-blended polyalphaolefin (PAO)/ester synthetic fluid. High temperature applications and harsh plant environments are the reason we designed QuinSyn® Edge. In addition to a longer productive life when compared to other synthetic fluids, QuinSyn® Edge protects against the formation of sludge and varnish in the compressor. QuinSyn® Edge features reduced volatility and compatibility with mineral fluid and equipment designed for use with mineral fluid. Developed with a life expectancy of 8,000 hours with proper maintenance and sampling, QuinSyn® Edge is an excellent choice for your most demanding compressed air applications.

- Harsh environments
- Lower cost alternative to OEM fluids

### **QuinSyn®**

QuinSyn® is a custom-blended synthetic hydrocarbon fluid with improved lubrication reduced volatility, and compatibility with mineral oils and equipment designed for use with mineral oils. It is readily disposable and is ideally suited for a majority of applications where it can last up to 8,000 hours or more.

### **QuinSyn® Prime**

QuinSyn® Prime is a custom-blended polyalkylene glycol (PAG) rotary screw air compressor lubricant. The formulation consists of rust and oxidation inhibitors which make it ideal for hot and humid environments or in applications prone to varnish build up. QuinSyn® Prime offers superior demulsibility characteristics when compared to other PAG/ester fluids and will not leave behind carbon residue/varnish when it oxidizes as compared to hydrocarbon based products. QuinSyn® Prime is also classified as readily biodegradable according to ASTM Standard D-5864 (condensate disposal approval is required from the local wastewater treatment facility). This product is approved for use in Quincy Compressor extended airend warranty programs outside of the original factory warranty.

- Hot and humid environments
- Low cost alternative and compatibility with OEM polyglycol fluids

## **Quincy Helps You Do More – For Less.**

Quincy Compressor fluids are tailor-made for their application. Quincy Compressor product recommendations are always based on sound technical data and supported by years of airend engineering data. Such recommendations also rely on decades of demonstrated and problem-free field performance of Quincy Compressor fluids. Additionally, Quincy Compressor provides fluid condition monitoring services to further ensure product performance. Quincy has found over the years that many competitive products sold as Quincy Compressor equivalents often use cheaper quality base fluids and components. In such cases, the resulting blend will often acquire the characteristics of the lower quality base stock. High quality demands high vigilance. Stay true to your branded warranty fluids to enjoy the maximum performance of your equipment.

## QuinSyn® Fluids Performance and Properties

### Quincy's Fluid Sampling Program Offers

- Easy-to-read reports that give detailed action items and instructions like 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



Quincy Brand	QuinSyn Flex	QuinSyn	QuinSyn Edge	QuinSyn Prime	QuinSyn Endura
Type	PAO/Diester	PAO	PAO/POE Blend	PAG	POE
Viscosity Index	Good	Good	Good	Good	Good
Low-temperature Fluidity	Good	Good	Good	Good	Good
Oxidation Resistance	Good	Very Good	Excellent	Good	Excellent
Compatibility with Mineral Oils	Excellent	Excellent	Good	Fair	Fair
Low Volatility	Good	Excellent	Excellent	Good	Excellent
Hydrolytic Stability	Good	Excellent	Good	Very Good	Good
Antirust Properties	Good	Excellent	Good	Excellent	Good
Additive Solubility	Good	Good	Good	Good	Excellent
Thermal Stability	Good	Good	Excellent	Good	Excellent
Water Solubility	Nil	Nil	Nil	Excellent	Nil
Life Expectancy (Hours)	8000	8000	8000	8000	10000

Property	ASTM Test					
ISO Grade	D-2422	46	46	46	46	46
Viscosity at 40° C	D-445	47.30	40.30	46.30	46.8	46.50
Viscosity at 100° C	D-445	7.70	7.30	7.50	8.50	6.90
Viscosity Index	D-2270	132	147	127	160	103
Specific Gravity at 60° F	D-1298	0.84	0.83	0.88	0.99	0.91
Density (lbs./gal.)	D-1298	7.20	6.94	7.39	8.30	7.60
Flash Point (°F)	D-92	500	515	540	480	500
Pour Point (°F)	D-97	-49	-65	-58	-60	-60
Foam Test Sequence II	D-892	< 25 mL				



Made in the U.S.A  
Performance You Demand.  
Reliability You Trust.



*Performance You Demand. Reliability You Trust.™*

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