



SULLUBE BIODEGRADABLE COMPRESSOR FLUID SOLVES CONDENSATE DISPOSAL PROBLEMS.

Original Sullube Benefits

Sullube was originally developed by DOW Chemical to provide long life with varnish free performance in Sullair compressors. Users also benefited from efficient cooling and low carryover into the air system. In a normal application, Sullube virtually eliminates fluid related labor and downtime costs for 8000 hours—nearly a year of continuous operation!

Biodegradability and Recyclability

Environmental concern is more important than ever. The biodegradability of Sullube is a key factor, allowing many compressor users to obtain permission to discharge compressor condensate into public sewer systems.

Concern About Condensate

Today, condensate disposal concern is growing. A typical 50 hp compressor, operating in 90°F, 60% humidity conditions produces about 11 gallons of water during an 8 hour shift. This adds up to over 10,000 gallons of condensate in a year. This water typically contains 40 to 300 ppm of compressor lubricant.

Good News for Users

Sullube is good news for those who are concerned about the safe and responsible disposal of compressor condensate. Users who would likely face the choice of installing costly, high-maintenance condensate separation systems often avoid this expense with Sullube. Condensate from machines using Sullube is often approved for direct discharge by local sewage treatment plants.

Biodegradability: The Best Solution

If the compressor lubricant under consideration is biodegradable, most water authorities will allow disposal of the condensate into the sanitary sewer if certain conditions are met. Key requirements, and the ways in which Sullube fluid meets/exceeds them, follow:

Requirement: No floating or separable oil may be present.

Sullube solution: The small amounts of Sullube normally found in condensate will remain in solution to avoid formation of an oil sheen. Also, unlike older reciprocating compressors, Sullair rotary screw compressors utilize an internal air/oil separator (the Optimizer), to reduce the traces of lubricant in the compressor condensate water.

Requirement: No concentrated coolant—even biodegradable fluids—may be discarded into the ground or into bodies of water.

Sullube solution: Sullube, as a concentrated coolant, is not discharged into the sewer; it is changed at 8000-hour intervals and recycled with other fluids. Only traces of Sullube which remain in the condensate are discharged into the sewer.

Municipalities may have other requirements. As a result, always review requirements with your local authorities.

Condensate Disposal

Approvals

For additional information or assistance in obtaining condensate disposal approval for Sullair compressors using Sullube fluid, contact the Sullair Parts Department at 1-800-SULLAIR.

Sullube Offers

Superior Performance

In addition to being biodegradable and recyclable, Sullube has been proven to be superior to both hydrocarbon oils and other synthetic lubricants. It exhibits many unique characteristics which provide measurable benefits:

- High oxidative stability for long life
- High resistance to sludge and varnish formation
- Ability to dissolve residual hydrocarbon varnish to clean up old machines
- Inherently high viscosity index for shear stability
- Excellent elastomeric seal compatibility
- Low volatility for low make-up rates
- Higher flash point than hydrocarbon lubricants
- Higher thermal conductivity than other synthetics
- Very high hydrolytic stability



www.sullairsolutions.com

SULLAIR CORPORATION, 3700 E. Michigan Blvd., Michigan City, IN 46360 Telephone: 1-800-367-6737
Specifications subject to change without notice. © Copyright Sullair Corporation. All rights reserved.