



CANOIL NEWS RELEASE

New Annual EHC Fluid Test Program Canoil Reolube Turbofluid

Canoil Canada is an authorized distributor for the Lanxess line of Reolube Turbofluids in North America. Our distribution has global reach. The Reolube family of fluids include Turbofluid 46XC and 46B for EHC systems, Turbofluid 32B GT for natural gas pipeline compressor bearings and HYD 46B for hydraulic systems and control systems without servovalves.

Reolube chemistry is based on triaryl phosphate esters with good oxidative stability and an excellent response to the most popular purification processes allowing the fluid to be maintained in good condition for years. Accomplishing long term trouble free operation requires monitoring a number of factors including; fluid stressing, water content, particle counts, degree of purification, type of purification, fluid make-up and proper completion of recommended maintenance. All are equally important.

Fluid Performance: Many EHC system fluids can be serviced without wholesale changes for decades. System design has a huge effect on fluid stressing. Phosphate ester fluids have been in use since the 1950's. Many lessons have been learned over this time. For instance, some OEM components require more attention than others, and some components require upgrades or modification. This is where Canoil's technical support can help your operation. Proper fluid condition monitoring can indicate root causes that are entirely system related. Understanding which tests are required, and analyzing them properly are key steps to eliminate system issues through corrective actions that prevent problems from becoming significant issue with significant consequences.

Lessons Learned: Turbine OEMs have learned a great deal through practical analysis of ongoing operations. General Electric has made major analysis and limit changes to EHC fluid specifications requiring new test methods and intervals. Refer to GEK 46357F dated September 2010, as well as Rev G. The Electric Power Research Institute and INPO have also made recommendations regarding fluid testing and limits. Unfortunately, some of this information has not been put into practice, and not all laboratories can perform the testing recommended for phosphate ester fluids.

Solution: Canoil is happy to offer a comprehensive **"Annual EHC Fluid Test Program"**. Standard tests are included in this program, as well as additional key tests of metals, varnish potential, and color. Canoil technical experts are so committed to quality and service that they offer this annual testing program **free of charge**. Actual testing can vary with control system design.

Canoil testing is an important part of your system maintenance for the following reasons;

- Canoil test laboratories conduct required tests using proper and current test procedures recommended by OEMs.
- Canoil testing can be used to complement and verify an existing test program.
- Canoil testing provides our technical expert team information allowing effective support.
- Canoil test participation gives you access to collective lessons learned at other stations.
- Canoil testing analysis by our technical experts will provide corrective and/or preventative actions.

Check out our new website <https://www.ehcturbofluid.com/> and try the **EHC Health Calculator**

Take advantage of this service; contact Canoil for sample bottles and shipping instructions.



Annual EHC Fluid Test Program Options

- (1) **Canoil technical experts are always available** to review any reports or EHC issues via phone or e-mail at no cost, regardless of the EHC fluid in use.
- (2) **Canoil “Annual EHC Fluid Test Program”** is free, consisting of 6 critical tests. Canoil technical experts will review and consult on the results in comparison to current testing results.
- (3) **Bronze Level Testing Program** - routine fluid testing quarterly. Talk to a member of the Canoil team for pricing.
- (4) **Bronze Level Plus Testing Program** - routine fluid testing every two months. Talk to a member of the Canoil team for pricing.
- (5) **Silver Level Testing Program** - routine fluid testing monthly, plus complete annual fluid testing. Talk to a member of the Canoil team for pricing.
- (6) **Gold Level Testing Program** - routine fluid testing every two months, complete annual fluid testing, and one filter or servo valve analysis every two years. Talk to a member of the Canoil team for pricing.
- (7) **Platinum Level Testing Program** - routine fluid testing monthly, complete annual fluid testing, one filter or servo valve analysis every two years. Talk to a member of the Canoil team for pricing.

Canoil has technical expertise when it comes to managing your EHC system and can help you keep your system healthy.

Visit us at www.canocanadald.com or better yet visit our new website and try our EHC Health calculator www.ehcturbofluid.com

Canoil Director of Technology
Ken Brown P. Eng, STLE Fellow
Cell 416 458-4189 or 1-888-442-5008 toll free
ken@canoilcanadald.com

Sales and Business Development Manager,
Reolube EHC Fluids (FRF)
Paul Louie
Cell 416-697-8069 or 855-520-2022 toll free
paul@canoilcanadald.com

Director of Marketing & Sales Reolube EHC Fluids (FRF)
Ted Austin
Cell: 1-416-576-1239 or Office 1-905-878-4404
tedaustin@canoilcanadald.com