PRODUCT INFORMATION

A PRODUCT OF AMERICAN CHEMICAL TECHNOLOGIES, INC.

"Check-Mate" Hydraulic Fluid Monitoring Program
EcoSafe® Fluids

It is a hard fact of life that industrial hydraulic and circulating systems exist in atmospheres that are anything but clean. Moreover, modern production demands tax these systems to their limits and, all too frequently, beyond their limits. While industry as a whole has made great strides in recent years to implement sound preventative maintenance programs dealing with hydraulic circuits and their components, far too little emphasis has been placed on proper hydraulic fluid maintenance.

A hydraulic fluid is a system component as much as the valves, pumps, motors, seals or any other system component. It is the one component of a hydraulic system, which comes into intimate contact with all other system components. It must be maintained by systematic fluid monitoring. This monitoring, besides maintaining fluid quality, is a powerful diagnostic tool, which if used properly, can give the consumer an excellent fingerprint of the condition of all hydraulic system components.

American Chemical Technologies (ACT) is a major supplier of industrial hydraulic fluids. Therefore, we are vitally interested in seeing users of these fluids put into effect some form of a scheduled or systematic fluid inspection program. ACT feels this to be a necessity, and it should be an integral part of any existing maintenance program. Fluid maintenance must be considered because certain things do happen to hydraulic fluids after they are charged into a circuit and the fluid is the one system component that is in contact with all other system components.

- The viscosity and TAN (total acid number) levels change.
- The fluid gets dirty or contaminated with particulate matter such as dirt, wear particles and other foreign material.

In view of this, the fluid user must have some means to determine the condition of in-service fluids with respect to TAN levels, viscosity changes and source
& level of contamination. Systematic analysis or fluid monitoring can only achieve this.

ACT is pleased to offer users of EcoSafe® a fluid monitoring program available only to ACT customers.

The ACT program is a meaningful laboratory analysis of in-service fluids on a systematic and scheduled basis. It is conducted in a laboratory, not at the machine site.

If an ACT customer avails himself of this program, each machine or circuit on the monitoring program is sampled and analyzed on a scheduled basis and the following data is supplied for each unit:

- A viscosity determination
- TAN levels
- ISO particle count
- Percentage of tramp oils
- Our comments and recommendations
- Other tests if necessary

ACT is proud to offer this approach to sensible hydraulic system maintenance. It is designed to supplement existing maintenance programs and help you, the customer, in maximizing product and minimizing maintenance cost. Unscheduled downtime is expensive and often unnecessary. Minor problems can be detected by fluid monitoring before they become major and costly failures.

DO YOU KNOW THE CONDITION OF YOUR HYDRAULIC FLUIDS RIGHT NOW?

For further details, consult your ACT representative at (800) 938-0101