



Laboratory Service Report

Getting the most out of a CHECK-MATE PROGRAM TRENDING REPORT

1

2 E-synergy Name
E-Synergy Address
City, State ZIP

AAAAAA_B
ACT Salesperson
ACT Phone number

Alt: All Account Contacts
Alternate Delivery:

3 ?Select a system name for trending report

Fluid:	Range	Results	Results	Results	Results	Results	Results
Viscosity (SUS) [†]	135 - 175						
Total Acid Number	0.1 - 5.0						
Ramp Oil % (T)	72%						
Particle Count ISO 4406 [‡]	17 / 15 / 12						
Water (ppm)	<7,500						
Other							

4 Fluid:
Pulled:
Received:
Completed:
Visual:

5 Oil Change*

Reason for Sample							
P.O. #							

6 AMERICAN CHEMICAL TECHNOLOGIES, INC. SAMPLE ANALYSIS LEGEND

[†]Viscosity measured at @ 100 °F
[‡] Specific ISO target levels should be determined by the hydraulic equipment supplier. Testing done at ISO 4406 standard (1000/15000).
 *Check, clean, or replace filter elements as necessary. Examine hydraulic reservoir for possible openings that would allow dirt to enter.
 Check air breather and rod seals to see if particles are ingressing at these points.
 Marginal results are shown in **RED**. Results where correction is recommended are also highlighted in **YELLOW**.
 NOTE: These recommendations are based on the condition of the hydraulic fluid at the time the samples were drawn. Any adjustments made to the fluid since the samples were drawn should be taken into consideration before following through on our recommendations.
 (T) - Remove ramp oil contamination via filtration or skimmer. Check for possible openings that would allow lube oil, die spray, etc. to enter the hydraulic reservoir.
 If you have any questions, please contact your sales representative.

7 **8** **9** **10**

- 1) The CHECK-MATE PROGRAM monitors the condition of the hydraulic fluid with the understanding that preventative maintenance is better than system repair. Key properties of the supplied hydraulic fluids are identified. Optimum operating ranges are provided for each monitored property. When any property is outside of the recommended range, the value is typically highlighted in some way.
- 2) The contact information provides routing as to where the samples were generated and who gets the report. If any of this information is incorrect, please contact your local American Chemical Technologies sales representative.
- 3) The American Chemical Technologies account number, salesperson, and local telephone number are included on the trending reports.

American Chemical Technologies

485 E. Van Riper Rd
Fowlerville, MI 48836
(517) 223-0300 Fax: (517) 223-1703

- 4) The SynLube TRENDING REPORT contains either information for one hydraulic system or a drop-down menu located at the system name that accesses all of the trending reports. The TRENDING REPORT will capture the data for six sample submissions for an American Chemical Technologies account. If the report contains a worksheet titled SynLube, then all of the Oil trend Analysis can be accessed through a menu located at the sample name and you can “Select a system name for trending report” for any sample identified as SynLube on the Summary sheet.
- 5) The properties that are measured for the SynLube are Visual Color/Clarity, Viscosity, Total Acid Number, Tramp Oil, water content in ppm and ISO cleanliness codes.
- 6) Operating ranges for each measured property have been determined from field studies and laboratory testing. The operating ranges are not Quality Control ranges for the unused oil but instead represent the amount of deviation that a used oil sample can have before a replacement recommendation is given. These ranges are reviewed periodically and updated as necessary to reflect changes that may occur in fluid use requirements.
- 7) When a value is reported in **RED**, this property is seen as being “OUT OF SPECIFICATION” and preventative maintenance on the system is recommended.
- 8) When a sample of SynLube is seen to be significantly out of specification to the extent that damage to the system can occur, a recommendation is given that can be followed to bring the hydraulic fluid back into specification.
- 9) The reason for the sample will be used to differentiate between initial, special, and routine sample pulls.
- 10) The American Chemical Technologies CHECK-MATE REPORT LEGEND provides general standard testing conditions and general recommendations that would apply to all samples.