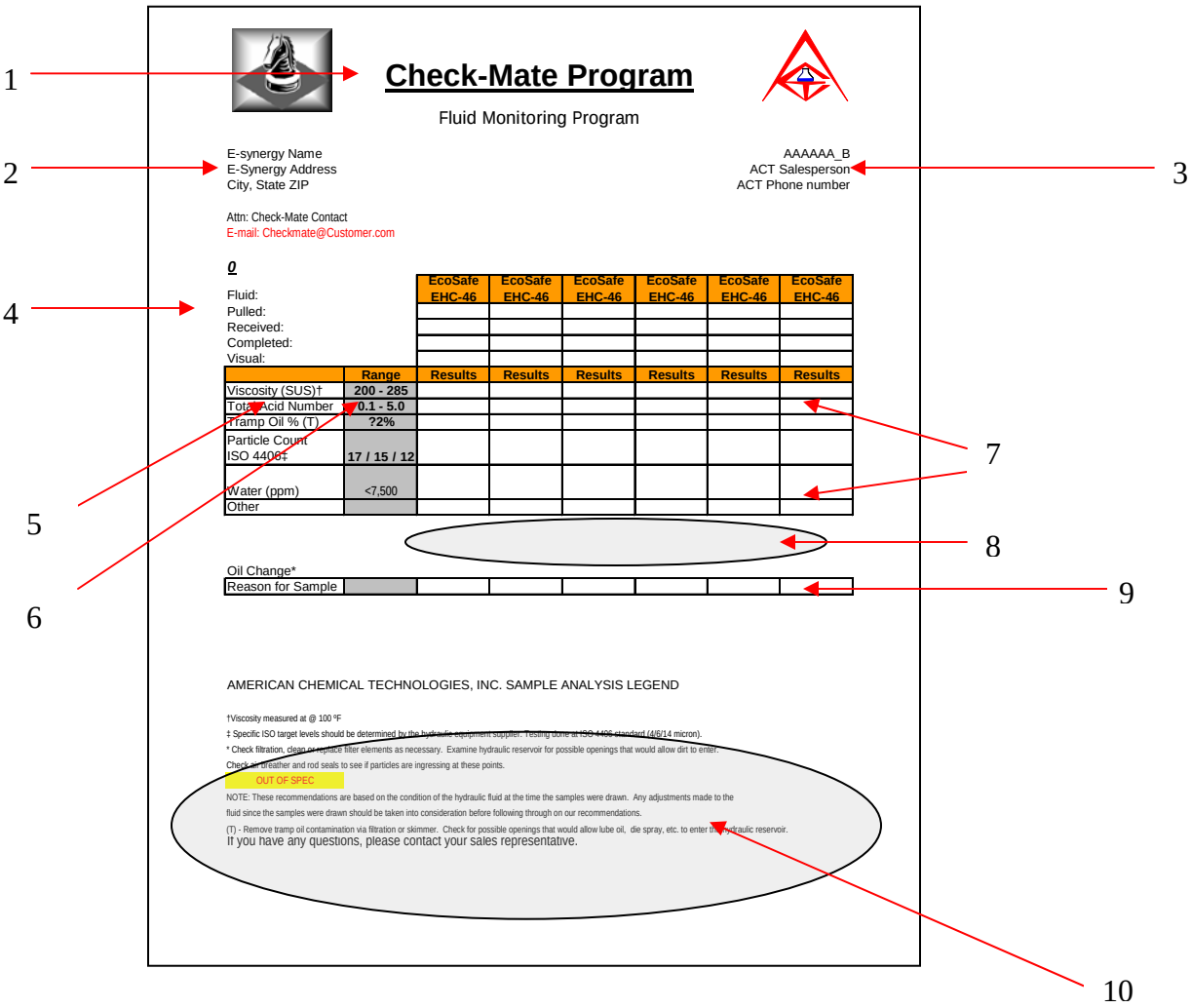
**American Chemical Technologies**
485 E. Van Riper Rd
Fowlerville, MI 48836
(517) 223-0300 Fax: (517) 223-1703

Laboratory Service Report

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



**Check-Mate Program**

Fluid Monitoring Program

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

AAAAAA_B
ACT Salesperson
ACT Phone number

Attn: Check-Mate Contact
E-mail: Checkmate@Customer.com

***0***

| | | EcoSafe EHC-46 | EcoSafe EHC-46 | EcoSafe EHC-46 | EcoSafe EHC-46 | EcoSafe EHC-46 | EcoSafe EHC-46 |
|---|---|---|---|---|---|---|---|
| Fluid: | | | | | | | |
| Pulled: | | | | | | | |
| Received: | | | | | | | |
| Completed: | | | | | | | |
| Visual: | | | | | | | |
| | **Range** | **Results** | **Results** | **Results** | **Results** | **Results** | **Results** |
| Viscosity (SUS)† | **200 - 285** | | | | | | |
| Total Acid Number | **0.1 - 5.0** | | | | | | |
| Tramp Oil % (T) | **?2%** | | | | | | |
| Particle Count ISO 4406‡ | **17 / 15 / 12** | | | | | | |
| Water (ppm) | <7,500 | | | | | | |
| Other | | | | | | | |

Oil Change*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Reason for Sample | | | | | | | |

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 (4/6/14 micron).
* Check filtration, 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.

OUT OF SPEC

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 tramp 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.



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.

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4) One page of the EcoSafe EHC TRENDING REPORT contains information for one hydraulic system. The TRENDING REPORT will capture the data for six sample submissions for an American Chemical Technologies account.
5) The properties that are measured for the EcoSafe EHC 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 EcoSafe EHC 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.