American Chemical Technologies
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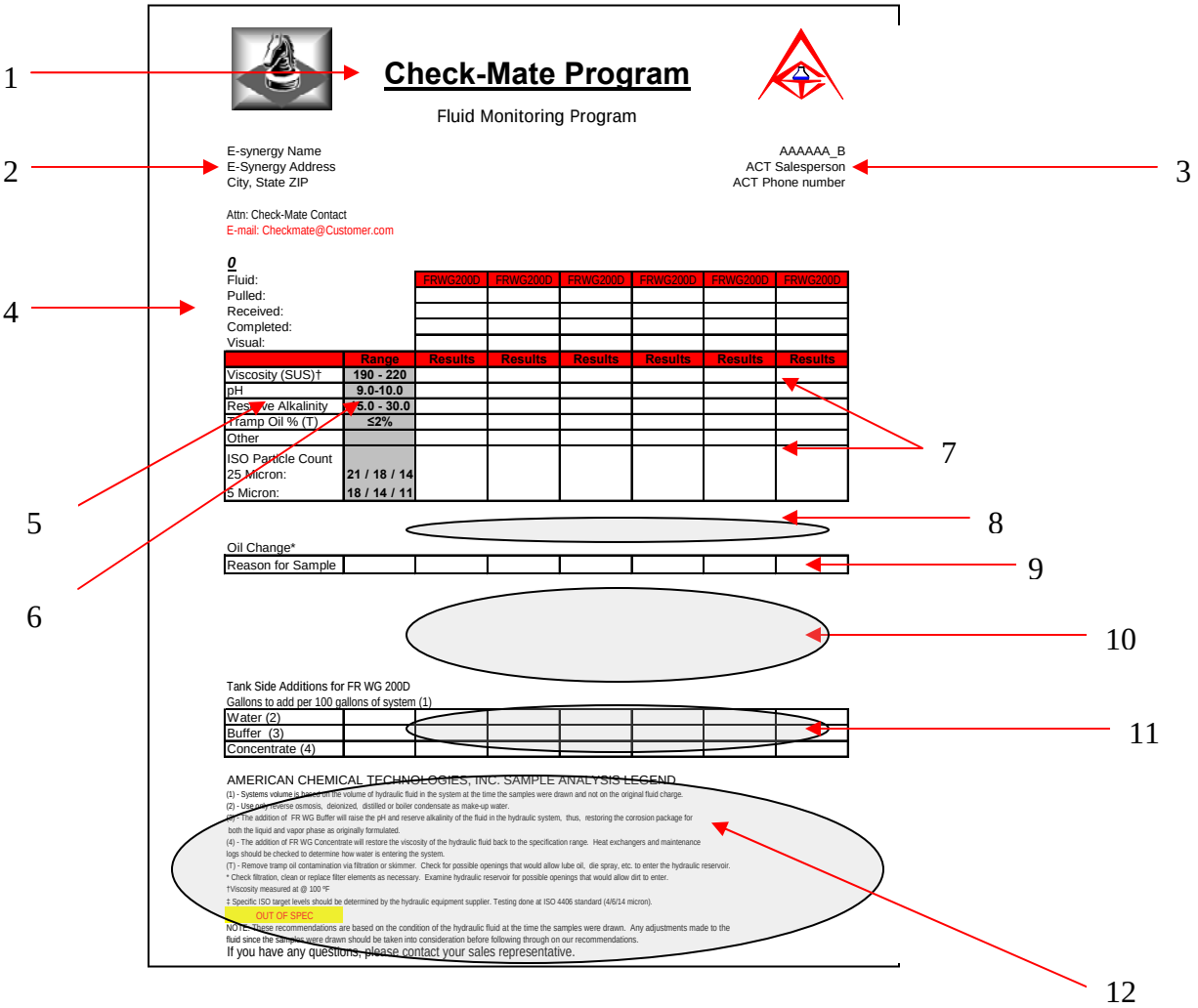
Laboratory Service Report

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



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 FRWG 200-D 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. If the report contains a worksheet titled FRWG200D, then all of the Oil Trend Analysis can be accessed though a menu located at the sample name and you can "Select a system name for trending report" for any sample identified as FRWG200D.
5) The properties that are measured for the FR WG 200-D are Visual Color/Clarity, Viscosity, pH, Reserve Alkalinity, Tramp Oil, 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 maintenance 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 FR WG 200-D is seen to be significantly out of specification to the extent that damage to the system can occur, a DUMP recommendation and a brief explanation will be given. If there is more than one reason to DUMP the system, only the most critical reason will be used to justify the DUMP recommendation. A DUMP recommendation voids all recommendations to repair the fluid in the system.
9) The reason for the sample will be used to differentiate between initial, special, and routine sample pulls.
10) Observations of the presence of particulates, hard water, and cloudy suspensions are made in the space below the reason for sampling.
11) Tankside additions for FR WG 200-D are provided on the TRENDING REPORT when testing gives a value that is outside of the optimum operating range for the hydraulic fluid. A recommendation for an addition to the hydraulic fluid is made as a TANKSIDE ADDITION PER 100 GALLONS OF SYSTEM VOLUME. This is only a recommendation of what could be done to prolong the useful life of the hydraulic fluid. If the test sample is so far out of specification that the recommended tankside additions are excessive, the recommendation is to DUMP the system and add fresh fluid.
12) The American Chemical Technologies CHECK-MATE REPORT LEGEND provides general standard testing conditions and general recommendations that would apply to all samples.