OilLabData
LIMS Features
User Manual

January 2010

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Introduction

How To Use This Manual

This manual describes the operation of OilLabData software.

Manual Conventions

These conventions are used throughout this manual to call attention to the adjacent text:

Note: The Note paragraph indicates special comments or instructions.

OilLabData LIMS Features

Introduction

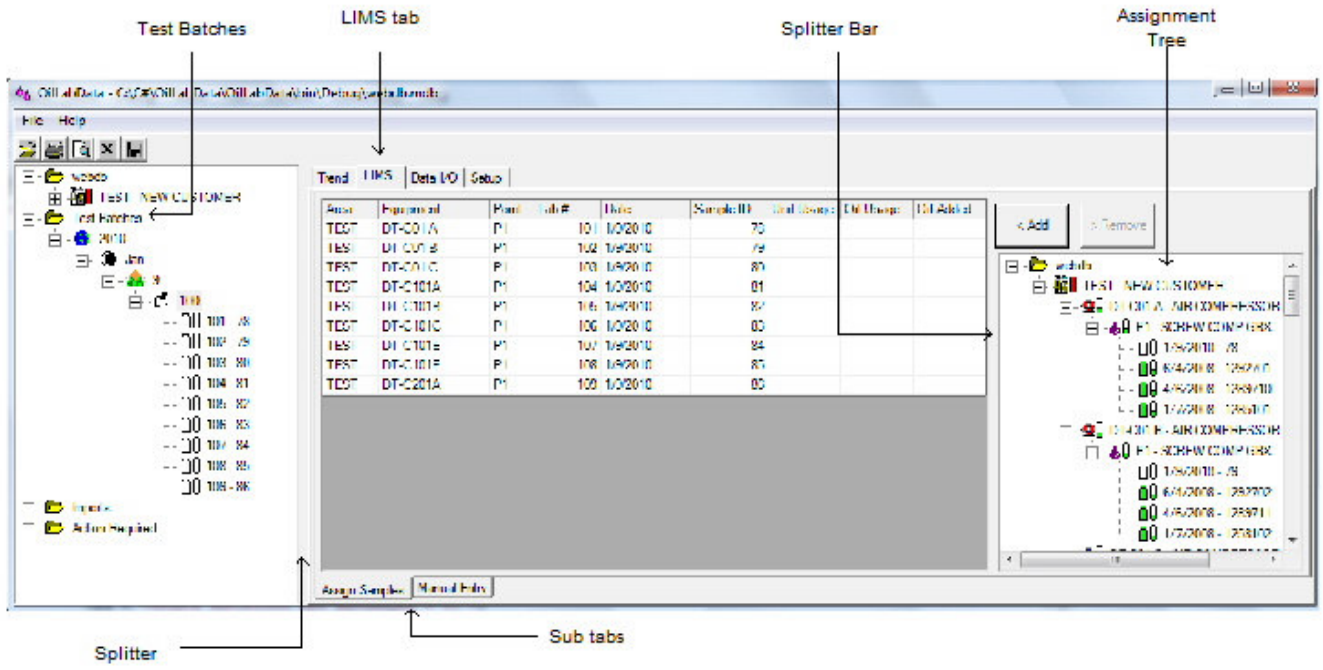
The OilLabData LIMS software has additional features to allow an oil analysis lab to create test batches, import device data, and easily enter data manually. There are also tools to move database items and manually set alarm levels.

Enable LIMS Features

To enable LIMS features, add “LIMS = True” to your oillabdata.ini file under the [SYSTEM] section:

[SYSTEM]
LIMS = True

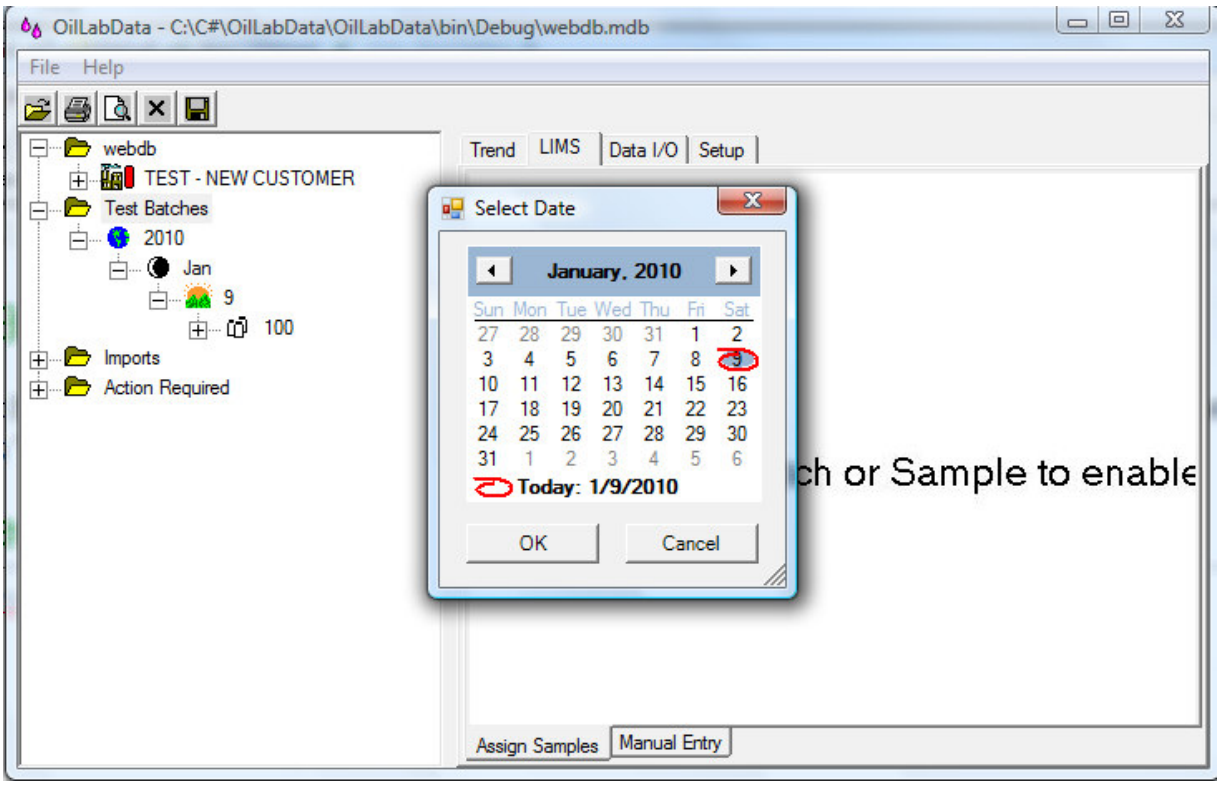
Program Layout



Test Batches

The Test Batches tree item groups the test batches. A new batch can be added by right clicking Test Batches and selecting ‘Add Batch’

Add Batch

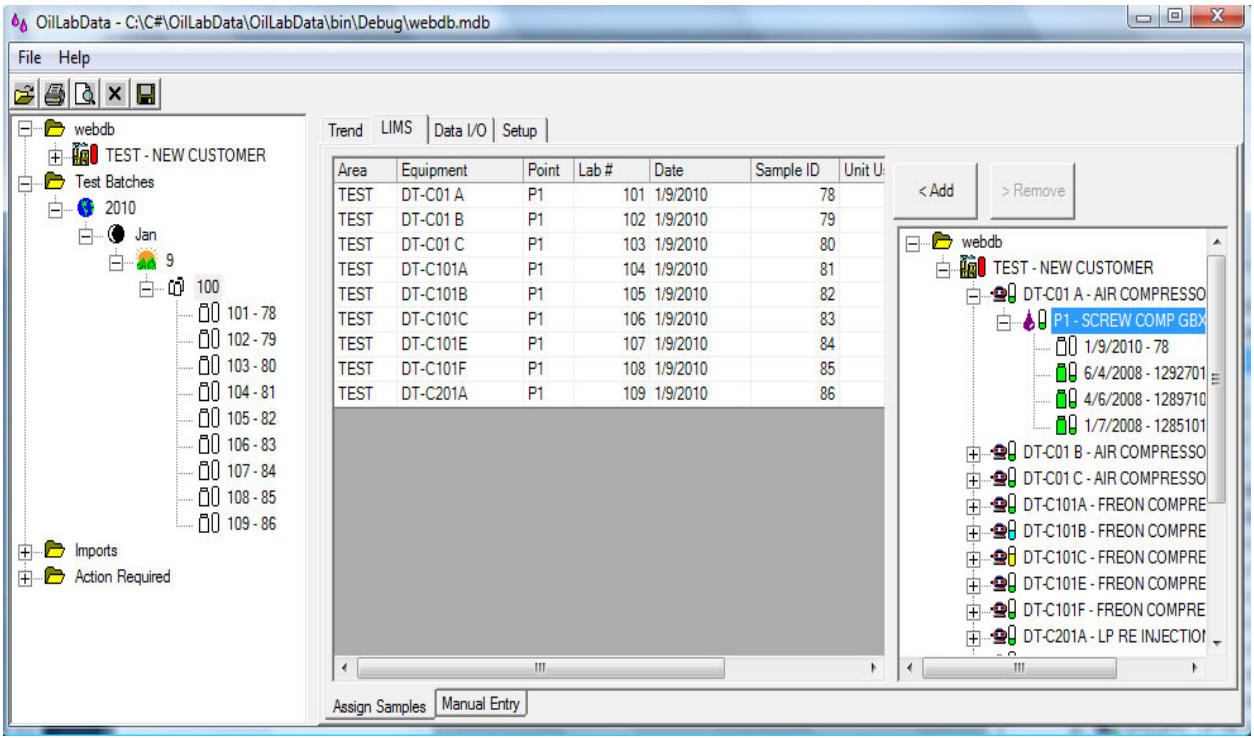


A calendar defaulting to the current date is presented. Select the desired data select OK to create the test batch. Batch numbers are automatically assigned in even multiples of 100.

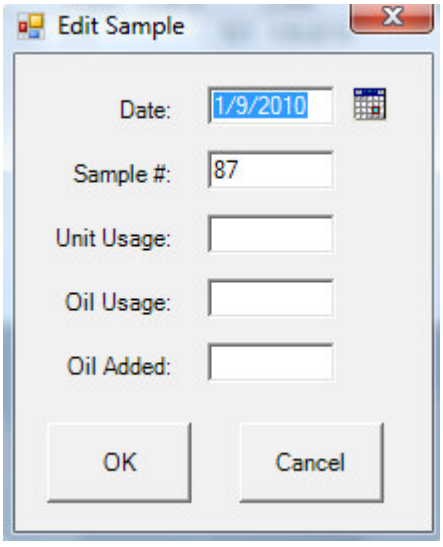
Splitter

In addition to the main splitter bar, the Assign Samples tab also has a splitter bar. When moving the mouse over the Splitter, the mouse will change to a vertical bar with arrows pointing to the left and right. At this time, the left mouse button can be pressed and the width of the database tree can be adjusted. Release the mouse when the desired width has been achieved.

Assign Samples



To add samples to a Test Batch, first select the Test Batch on the main database tree. Select the point on the right side tree where the sample is to be created and select the '< Add' button.



The date defaults to the current date and can be edited directly or with the calendar dialog. The Sample # will default to an automatically assigned number but can be set to a customer id or some other identifying number. After selecting OK, the sample is added to the point, the Test Batch, and the Assign Samples tab. Unit Usage, Oil Usage,

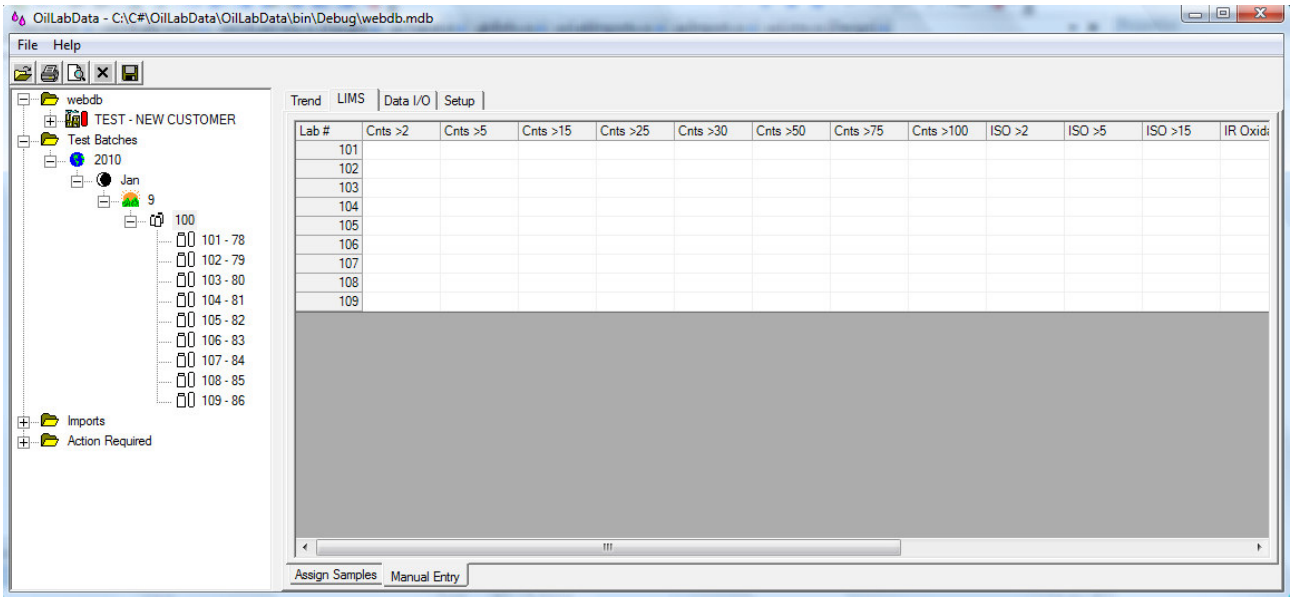
and Oil Added can be modified in the Assign Samples spread sheet. These values along with the Date and Sample # can be modified by right clicking the sample and selecting 'Edit' on the main database tree or the right side Assign Samples tree.

Note: The Lab # is automatically assigned by the system based on the current Test Batch and the next available number. This number is the primary identifier within the system and must be matched to import data from lab equipment.

Note: If an existing sample is selected on the Assign Samples tree that sample will be added to the selected Test Batch.

A sample can be removed from the Test Batch by selecting the sample on the main database tree and selecting the "> Remove" button. This does not delete the sample, and the Lab # will not be reused.

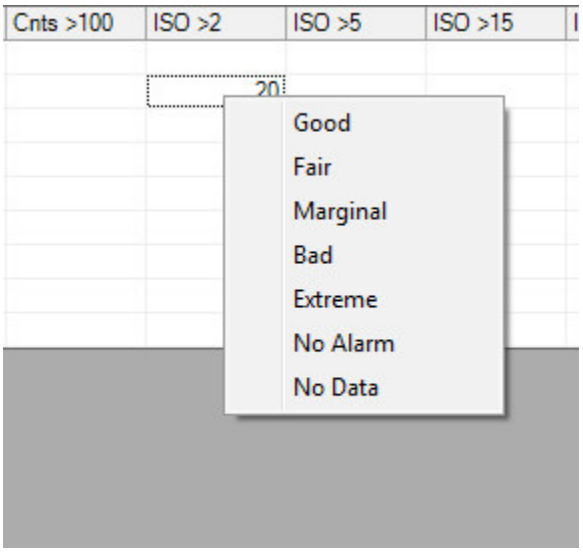
Manual Entry



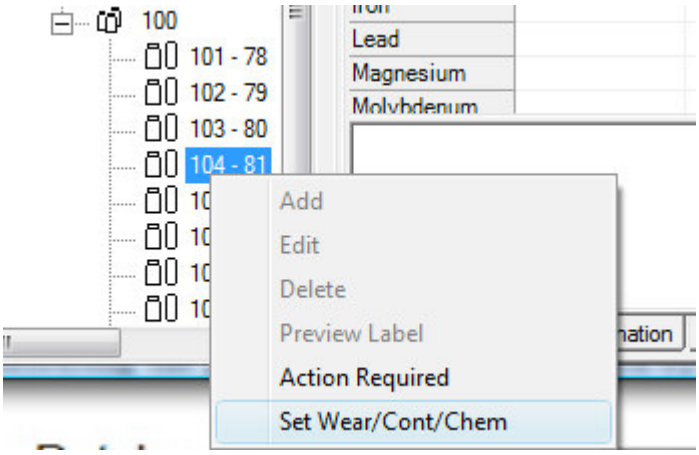
The Manual Entry tab can be used if a program to convert instrument data to the CSI Generic file format is not available. Use the arrow keys to navigate and enter data as in typical spread-sheet programs.

Alarms

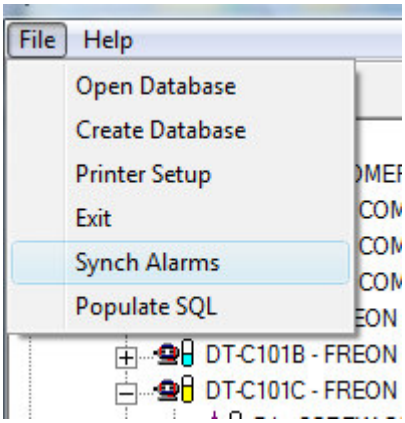
Alarms can be manually set by right clicking on a data item and selecting the desired alarm. This feature will work on the Manual Entry sub tab and the Trend tab.



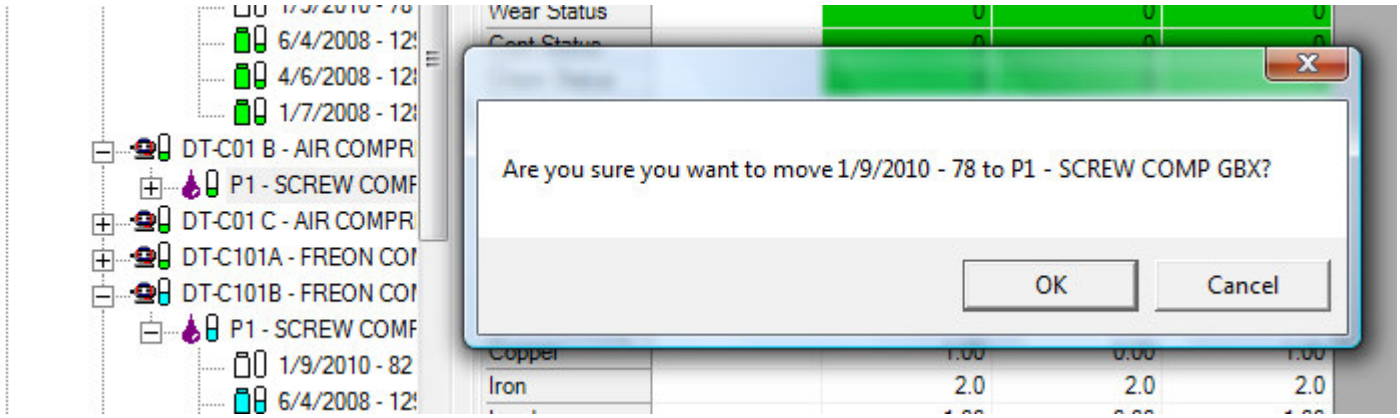
Note: The Wear, Contamination, Chemistry, and overall alarm level are set indirectly based on parameter alarm levels. When data items are added they are assumed to have 'No Alarm'. To achieve an alarm level at least one alarm level in each category will need to be set.



After alarm levels are determined for individual data items the Wear, Contamination, Chemistry, and overall alarm level can be set by right clicking a sample or batch and selecting 'Set Wear/Cont/Chem'.



By selecting 'Synch Alarms' from the 'File' drop down menu, the overall alarm levels for the database hierarchy will be set to maximum most recent sample alarm.

Drag/Drop

Samples, Point, and Machines can be moved to other Points, Machines and Areas by left clicking an item, dragging it to the desired location and releasing the mouse button. If a valid move has been selected a confirmation is requested. This feature works for the main database tree and the Assign Sample tree.