Introduction

This user's manual explains how to use Fuchs CENT program effectively

CENT is a web based application; i.e., it can be accessed through internet by using an internet browser. The URL address for CENT application is www.cent.fuchs.com.sa
To use the system more efficiently it is required that an Acrobat to be installed on the machine.

CENT Login Screen

CENT access is granted only to the registered users of the customers who are using CENT service from Fuchs. Therefore prior to use the system, the user should have already a user id and password issued to him by Fuchs. If you do not have a user id yet; please contact the nearest Fuchs branch or the contact numbers mentioned above.

To start using the system please follow the following steps:

1. Type the URL of CENT application in the address bar of the Internet browser (weather Internet Explorer or Netscape Navigator) and press enter

The following screen shown in fig 1 will be displayed

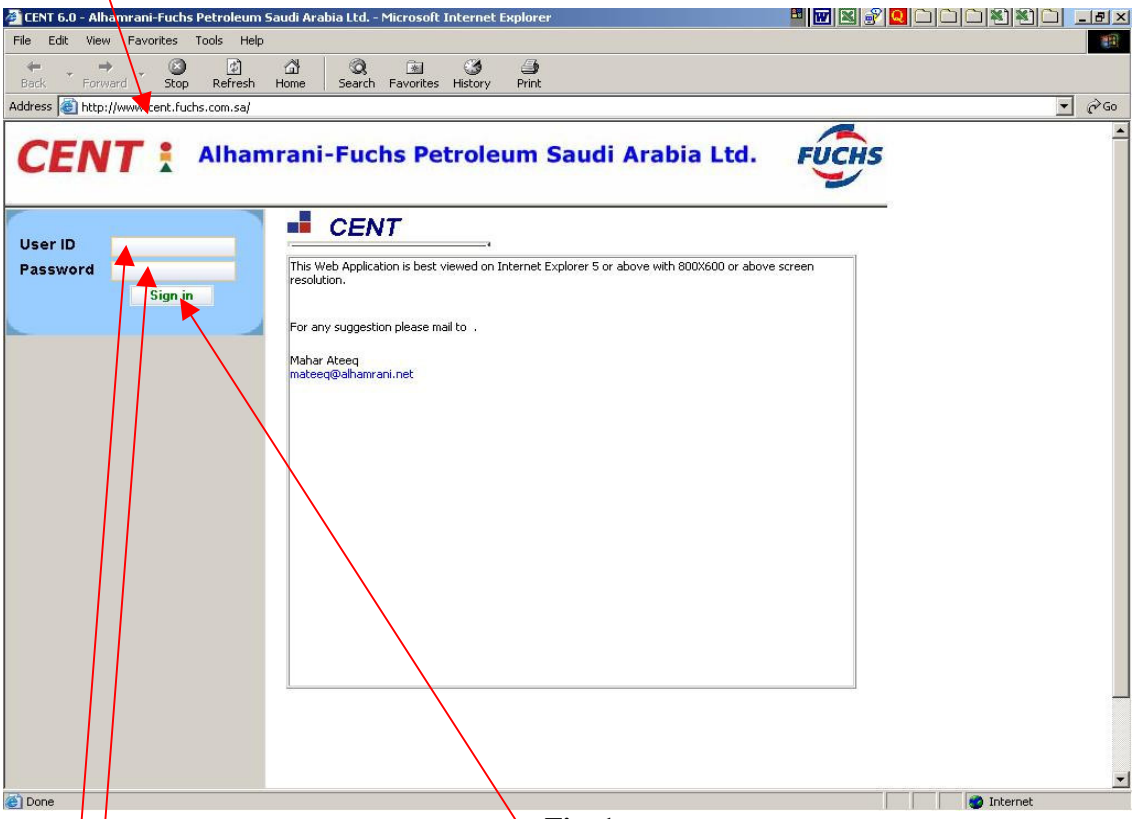


Fig. 1

2. Enter the user name and press tab.
3. Enter the password and click on Sign in button.

Once logged in, the system will display only the related records of that customer based on the authorizations assigned to the user of that customer. If the logged in user did not use the system for sometime then he will be logged out automatically.

CENT Screen Interface General Features

In order to ease the navigation through the system and gives more familiarity to the user using the system, a common layout and features used across all screens of the system. The following sample screen (Fig. 2) explains this commonality:

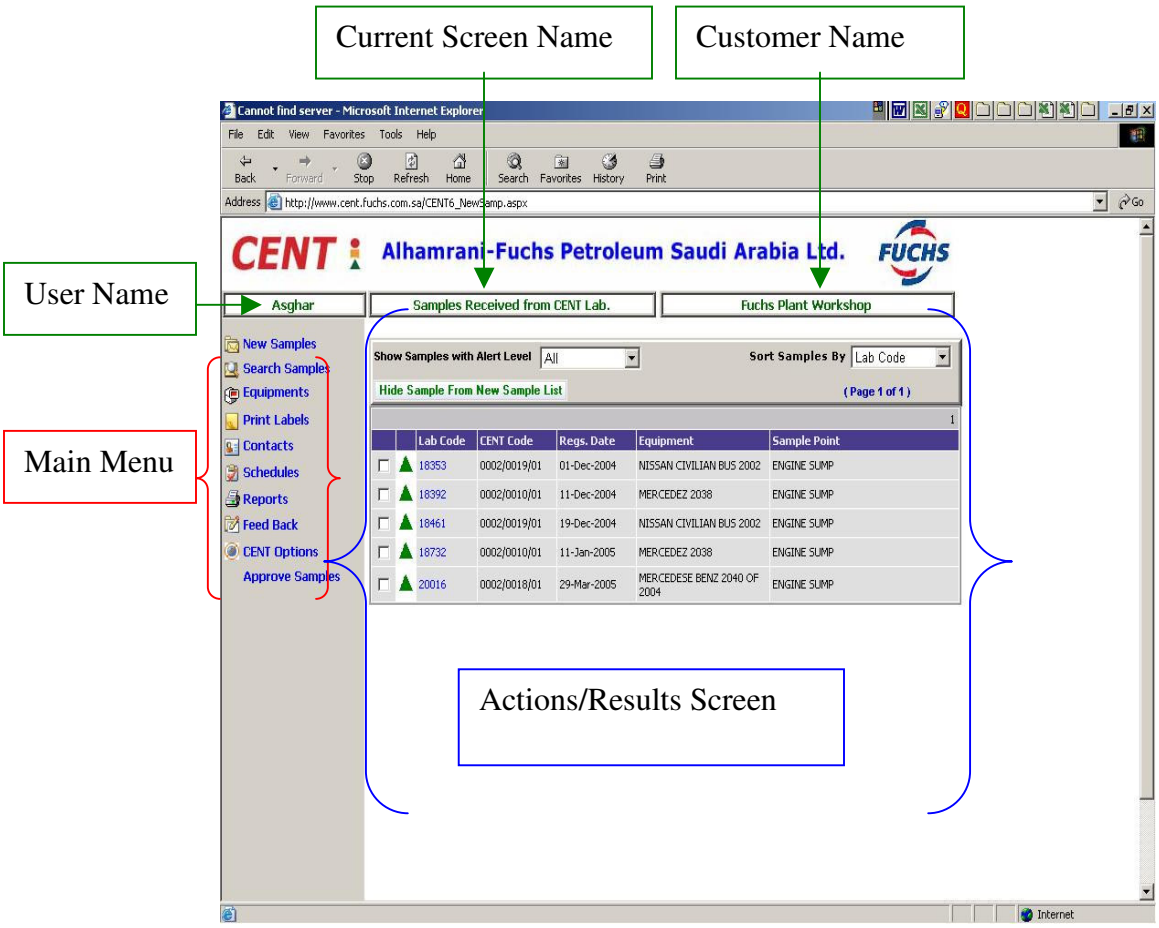


Fig. 2

CENT Main Menu

1 New Samples Screen

By default this screen is displayed once the user logs in. This screen displays the last samples received from the lab which belong to the current customer. Different options are available in this screen which are the following:

1- The list can be filter based on their status, e.g., the user can display only those samples which are in Action Status - red color, or any other status or display them all.
2- The list can be sorted based on different references, e.g., Lab code; Registration code; CENT code; and Alert code
3- If the user wants to remove one sample or more from the New Samples List, then he should click on the check box(s) beside those samples (3.a) and then click the button at the top labeled "Hide Sample From New Sample List" (3.b).Hiding a sample from the list does not mean it is removed from the system , It only means it will not be visible in the recent samples list but it will be available in the sampling history of the equipment
4- To display the details of one of the sample, the user can click on the Lab Code of that sample which written in blue color. Once clicked the system will display the screen in Fig. 4

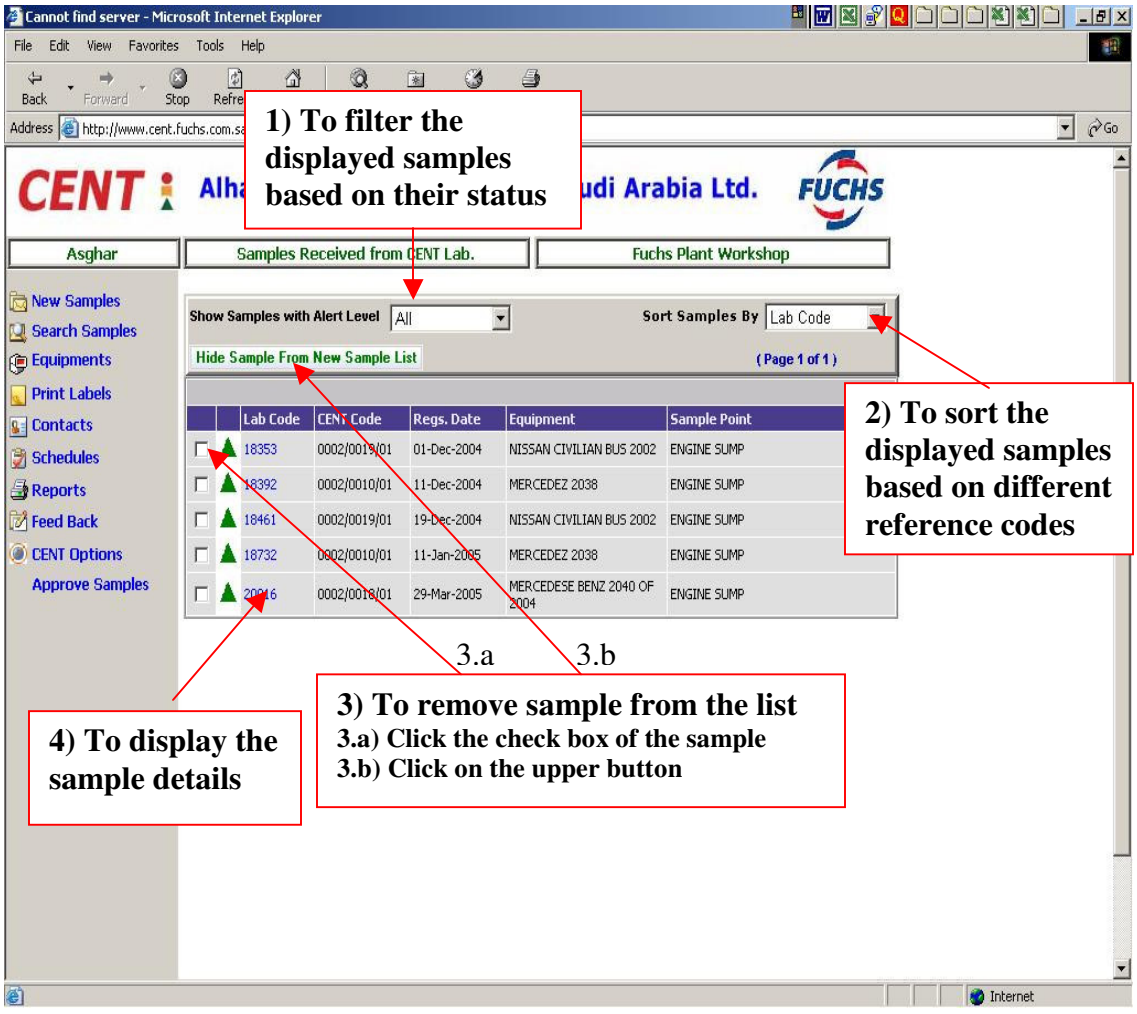


Fig. 3

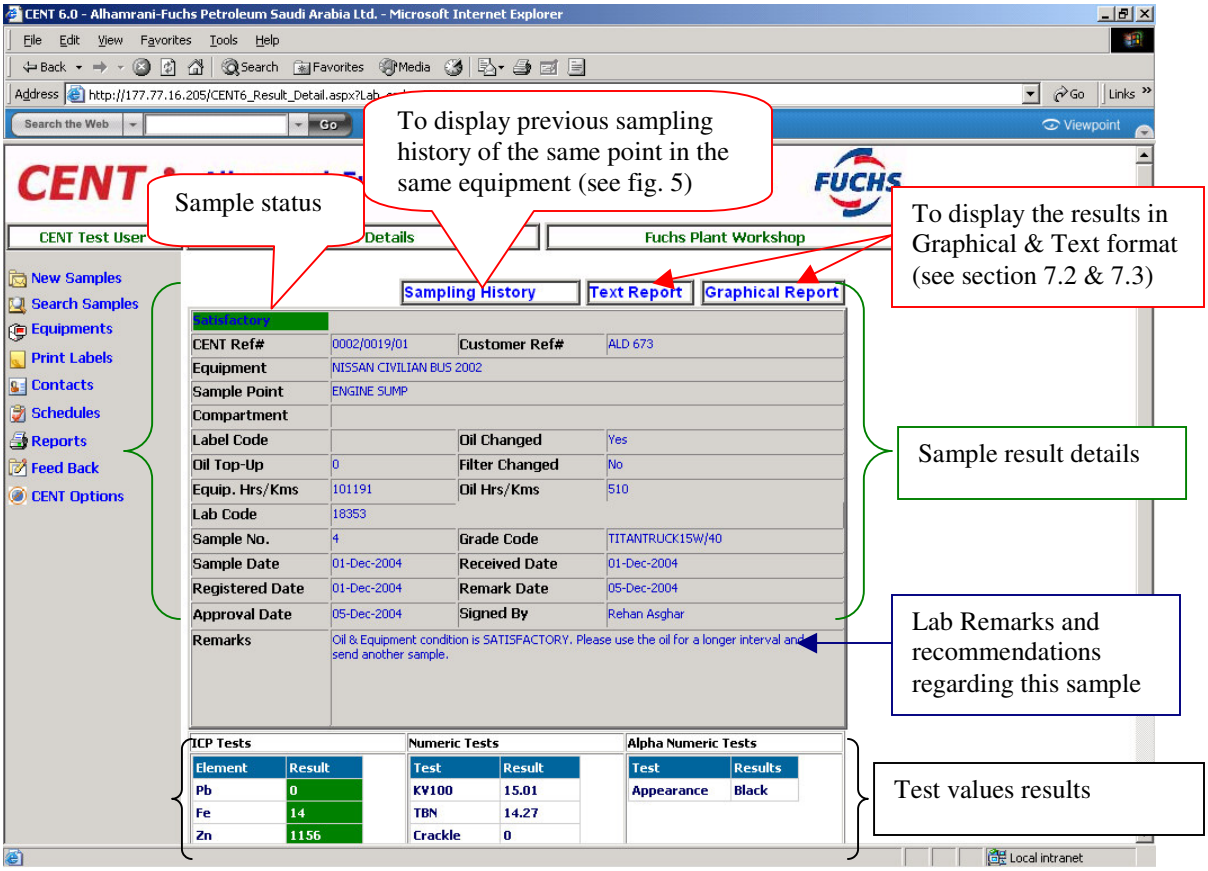

To display previous sampling history of the same point in the same equipment (see fig. 5)
Sample status
To display the results in Graphical & Text format (see section 7.2 & 7.3)
Sample result details
Lab Remarks and recommendations regarding this sample
Test values results
Sampling History
Text Report
Graphical Report
Satisfactory
Remarks
Oil & Equipment condition is SATISFACTORY. Please use the oil for a longer interval and send another sample.
ICP Tests
Numeric Tests
Alpha Numeric Tests

Fig 4

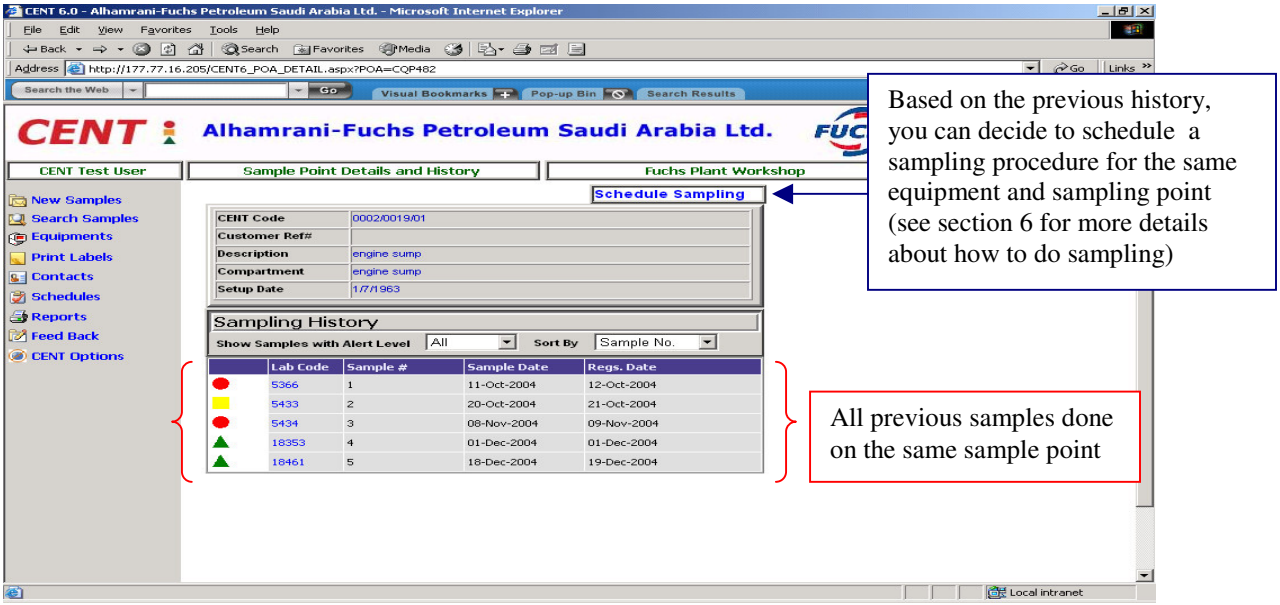

Based on the previous history, you can decide to schedule a sampling procedure for the same equipment and sampling point (see section 6 for more details about how to do sampling)
All previous samples done on the same sample point
Alhamrani-Fuchs Petroleum Saudi Arabia Ltd.
Schedule Sampling
Sampling History

Fig. 5

2 Search Samples

This also is a powerful tool to inquire about previous sampling done for certain sampling point/equipment during previous period. The user will select from the drop down menus the required equipment along with the sampling point and then decide the starting and ending date in the format of DD/MM/YYYY and click “Start Search” button. The user can select which status should be displayed (Satisfactory, Caution, Action, or All).

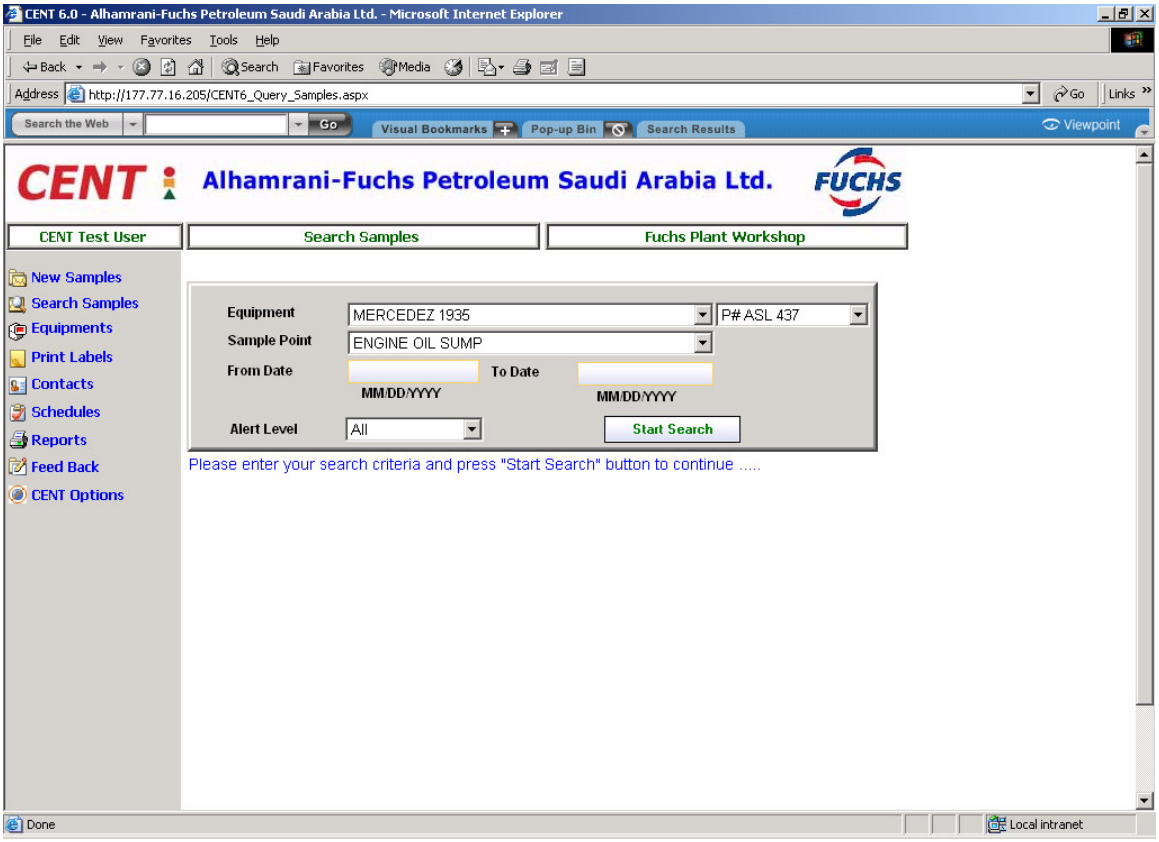
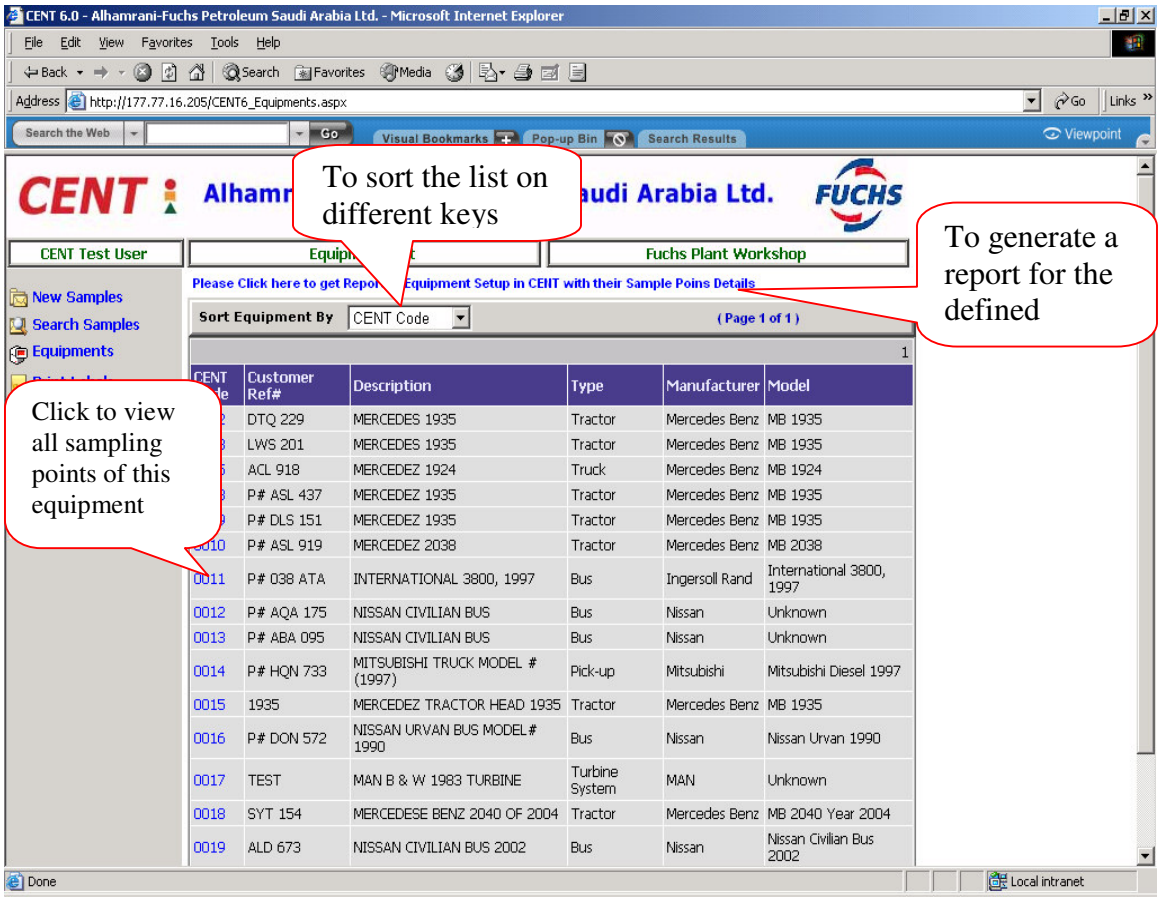


Fig. 6

The resulted list will be similar to the one shown in Fig. 5 which displays all previous sampling done for that sample point within the specified period. Again from that list you can click on any sample to view its details. The user can also perform scheduling (see section 6 for more details).

3 Equipments

This option is drilldown screen from which the customer user can view all equipments defined in CENT for that customer. The displayed list can be sorted and viewed on many different sorting keys (CENT code, Customer ref #, Description, Type, Manufacturer, and Model).



CENT	Customer Ref#	Description	Type	Manufacturer	Model
	DTQ 229	MERCEDES 1935	Tractor	Mercedes Benz	MB 1935
	LWS 201	MERCEDES 1935	Tractor	Mercedes Benz	MB 1935
	ACL 918	MERCEDEZ 1924	Truck	Mercedes Benz	MB 1924
	P# ASL 437	MERCEDEZ 1935	Tractor	Mercedes Benz	MB 1935
	P# DLS 151	MERCEDEZ 1935	Tractor	Mercedes Benz	MB 1935
0010	P# ASL 919	MERCEDEZ 2038	Tractor	Mercedes Benz	MB 2038
0011	P# 038 ATA	INTERNATIONAL 3800, 1997	Bus	Ingersoll Rand	International 3800, 1997
0012	P# AQA 175	NISSAN CIVILIAN BUS	Bus	Nissan	Unknown
0013	P# ABA 095	NISSAN CIVILIAN BUS	Bus	Nissan	Unknown
0014	P# HQN 733	MITSUBISHI TRUCK MODEL # (1997)	Pick-up	Mitsubishi	Mitsubishi Diesel 1997
0015	1935	MERCEDEZ TRACTOR HEAD 1935	Tractor	Mercedes Benz	MB 1935
0016	P# DON 572	NISSAN URVAN BUS MODEL# 1990	Bus	Nissan	Nissan Urvan 1990
0017	TEST	MAN B & W 1983 TURBINE	Turbine System	MAN	Unknown
0018	SYT 154	MERCEDESE BENZ 2040 OF 2004	Tractor	Mercedes Benz	MB 2040 Year 2004
0019	ALD 673	NISSAN CIVILIAN BUS 2002	Bus	Nissan	Nissan Civilian Bus 2002

Fig. 7

To see all sampling points of a specific equipment, click on the CENT Code which is displayed in blue color. Once clicked a list of all sampling points under this machine is displayed (see fig. 8).

4. Equipment Details and Its Sample Points :

This screen displays all sampling points of that equipment along with its description and compartment. If desired, the user can drilldown one more level and see the details of that sampling point.

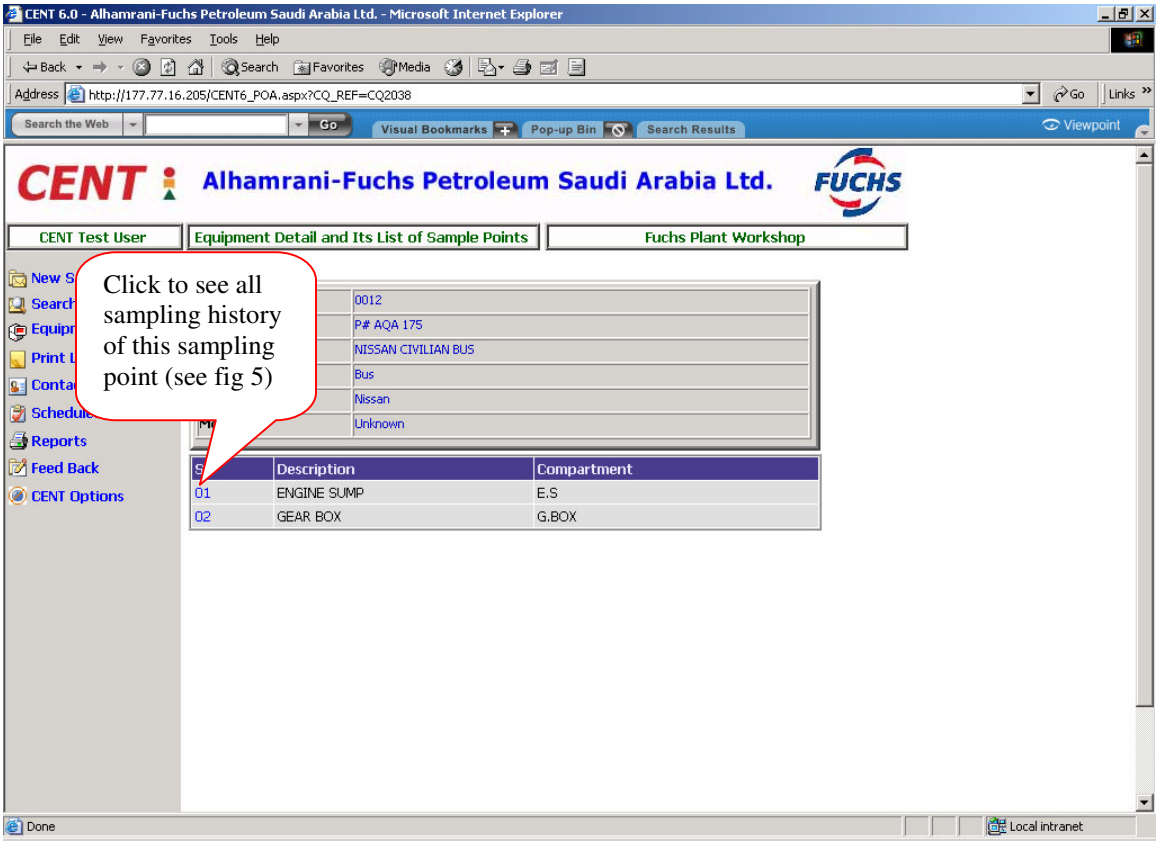


Fig. 8

5 Print Labels

In this option the user can print labels to be attached to the samples bottles. It can print one label only up to any number of labels. The user can select the sampling point for which the label will be printed directly from the sample point dropdown menu or through a different key such as the CENT code or customer code. More details can be entered in the remaining fields. To give more flexibility the user, can first select and define all labels to be printed one a at a time, and then issue print command for all defined labels. To do this, the user will create the label then save it in the current batch one label at a time. Once finished defining all labels, the user will click the button "Get Labels", which will get all labels saved in the current batch and generate a PDF file which can be sent at one time only to save time and paper. The different options available are:

- Save in current label batch: to save the created label in the current batch but without printing it.
- Save in current label batch and print labels: this option is a combination of both the other two options, i.e., create the label and print all labels exist in the current batch. This option is useful when creating one label only or when creating group of labels at the time of print the last label before issuing the printing command for previously created labels.
- Get Labels: to execute the print command for all labels created and saved in the current batch and generate a PDF file.

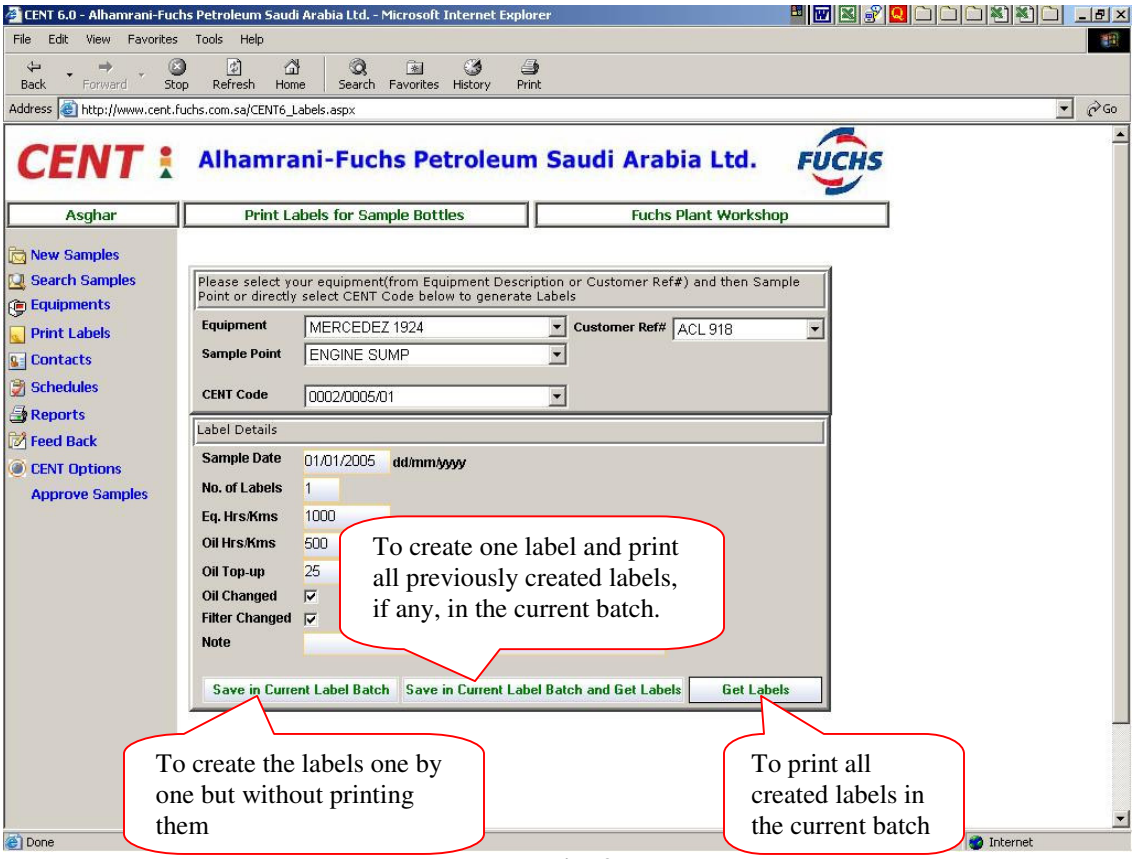


Fig. 9

Label sample

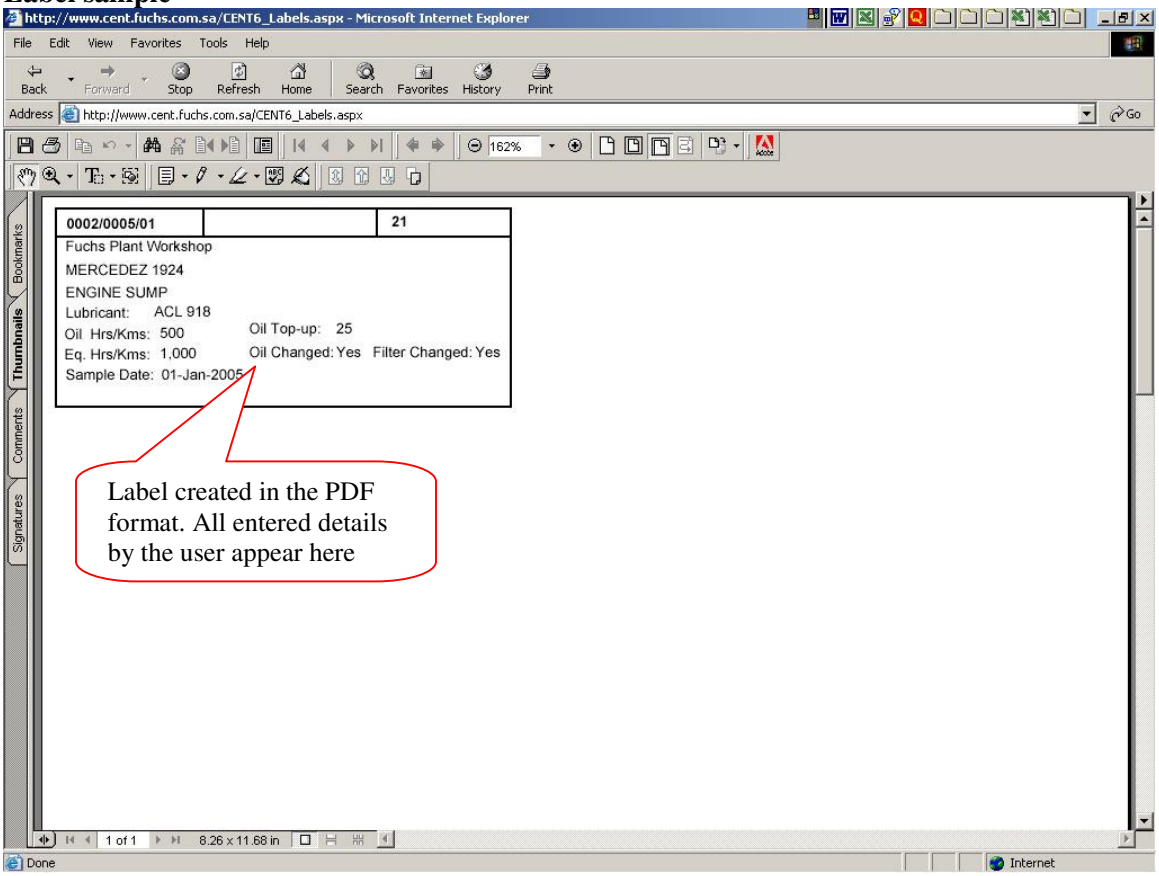


Fig. 10

6 Contacts

This option gives the customer a facility to maintain (add/update/delete) the contacts' profiles who will receive the notifications from CENT. When the customer user clicks the "Contacts" option from the main menu, the list of all contacts names of that customer will be displayed then he can click on contact name to modify its profile (fig. 11). The user can also add a new contact name and profile by click on the button at the top as shown below. The contact profile screen is shown on Fig. 12.

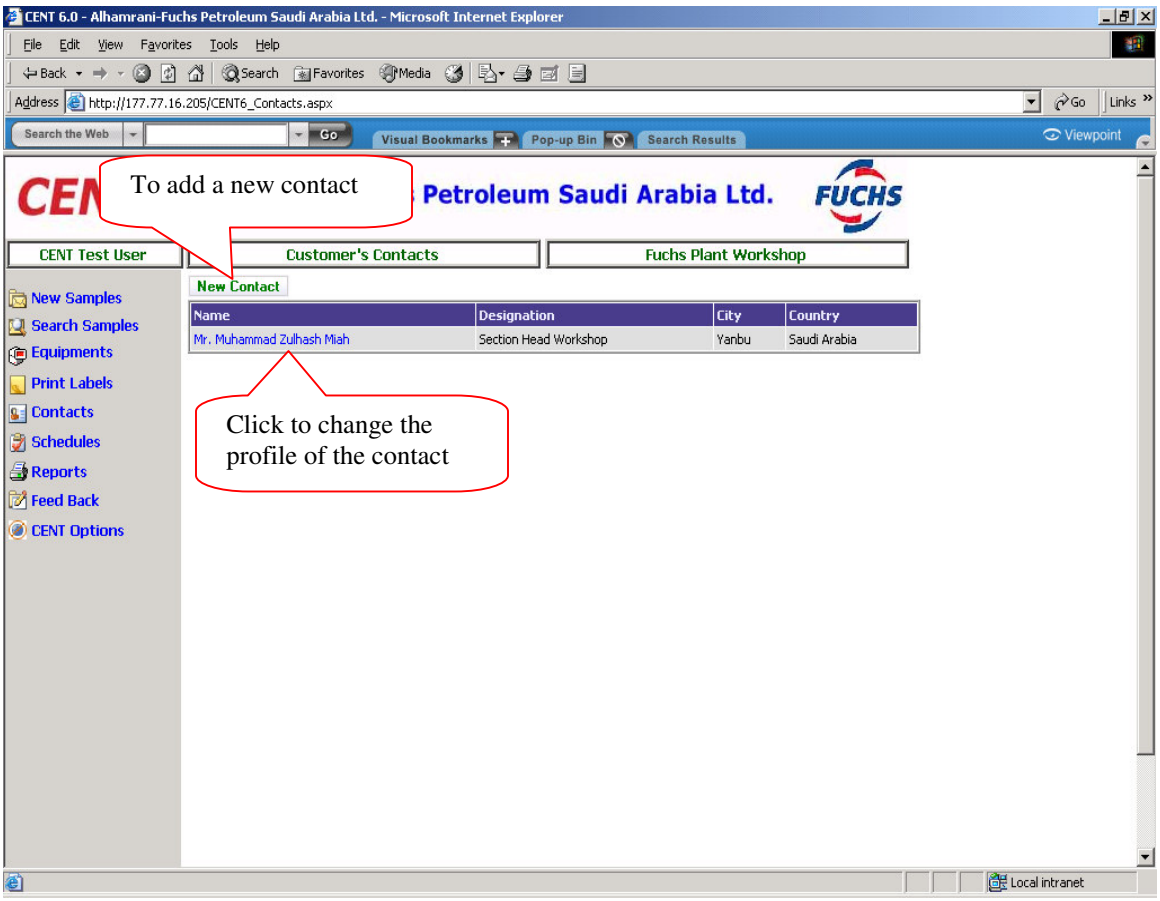


Fig. 11

Contact Profile Screen

In this screen the user can add and/or modify contact's profile. The user can define in this screen how this contact person is going to receive the results notification from CENT lab whether by email or fax. The type of the report to be sent; Graphical or Textual. Also on which level the report will be sent, e.g., different users can be defined for different levels of status.

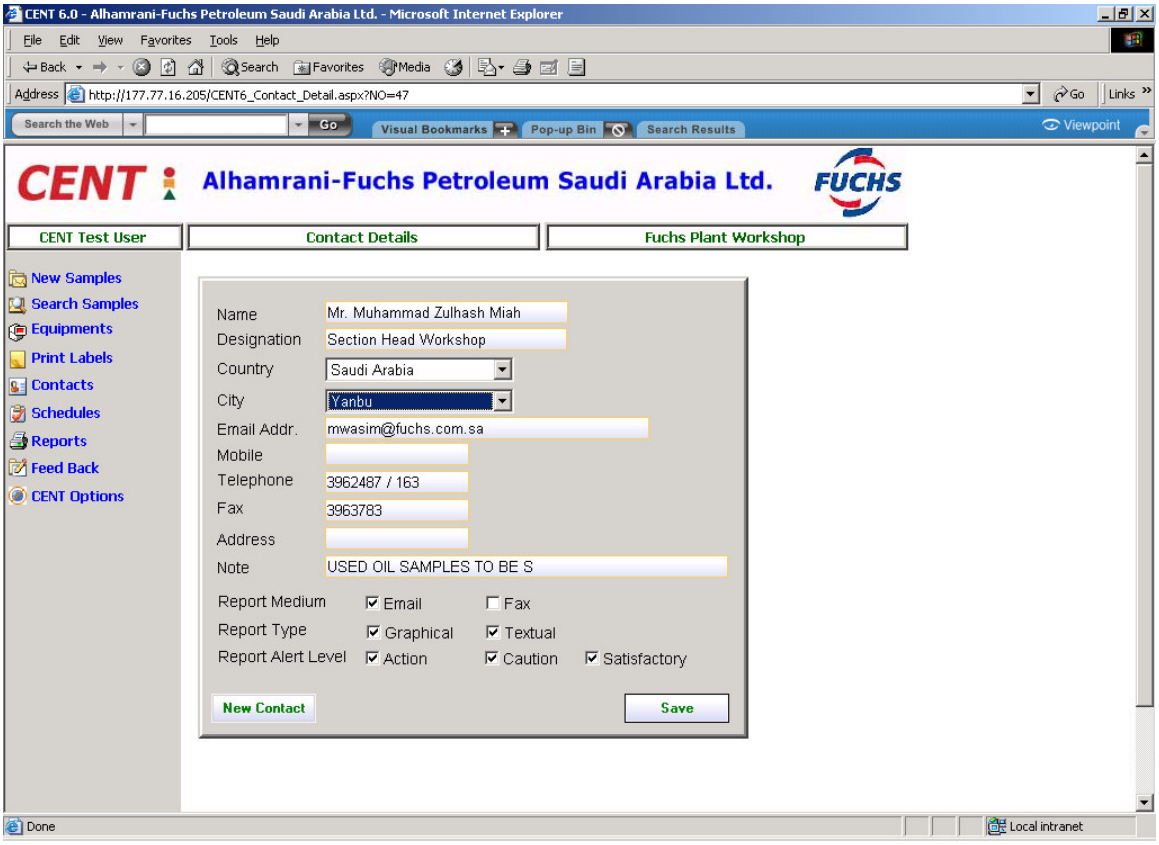


Fig. 12

7 Schedules

This option is of a great value and extends the functionality of CENT to a higher level in which it works as an organizer. The main objective of this option is to help the customer do a better maintenance of his equipments by reminding him to do the sampling tests on time. The interval between each sampling can be days, weeks, months, or years depending on the equipment itself. This will be of a great help to avoid forgetting a critical sampling test.

Once a schedule created the system will send email alerts to the specified contact one day in advance to remind them about the due date of the sampling.

The user will select the required equipment and sampling point of that equipment or instead he can directly select the required sampling point by referring directly to the CENT code if it is known to him.

Once that is selected, all the user has to do is to define the interval periods and the starting date as shown in the screen below (fig. 13). Once all fields defined click the button "Save schedule" to generate the schedule in the system. The system will send email alerts to all contacts mentioned one day prior to the due date of the next schedule. Maximum of 3 contacts can be defined in this screen. The user has to make sure that the mentioned contacts has a valid email defined in their contact profiles.
The user can also generate a report about all defined schedules in the system, if any, by clicking on the hyperlink on the top (in blue color)

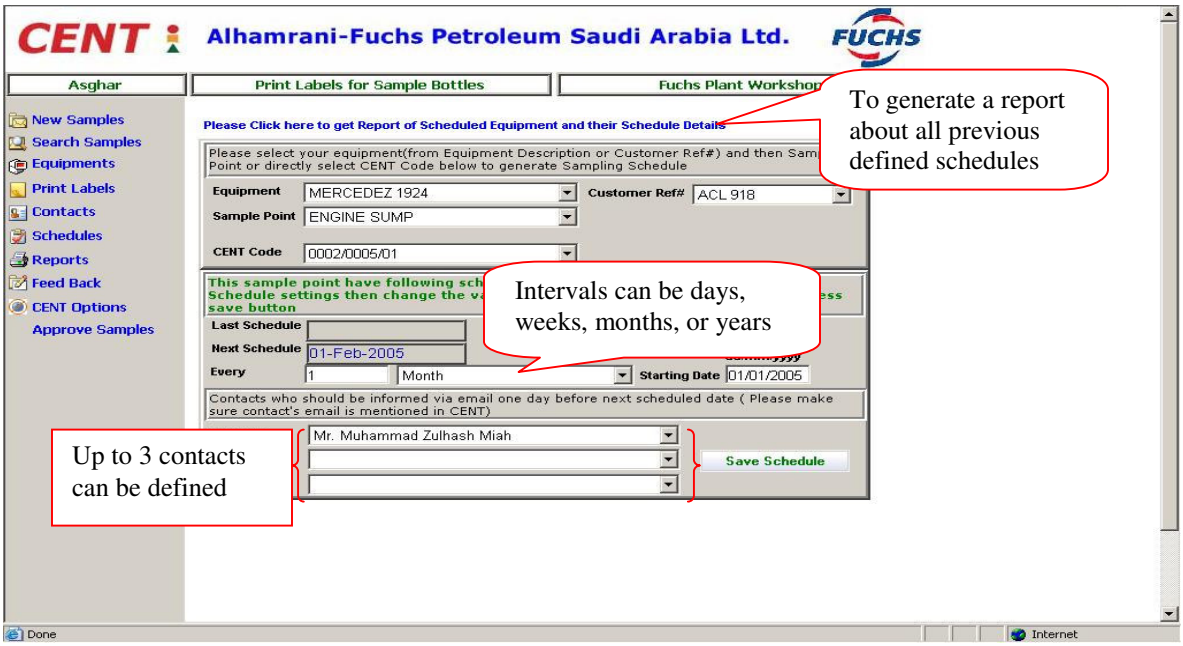


Fig. 13

8. Reports

The reports section provides a very useful reports which can be used by the customer to help him do a better maintenance and planning for the equipments. Currently five reports are available and more reports will be added in the future. These reports are:

1. Monitoring review for a period
2. Condition monitoring report graphical
3. Condition monitoring report textual
4. List of equipment setup in CENT with sample points
5. List of scheduled equipment and their schedule details

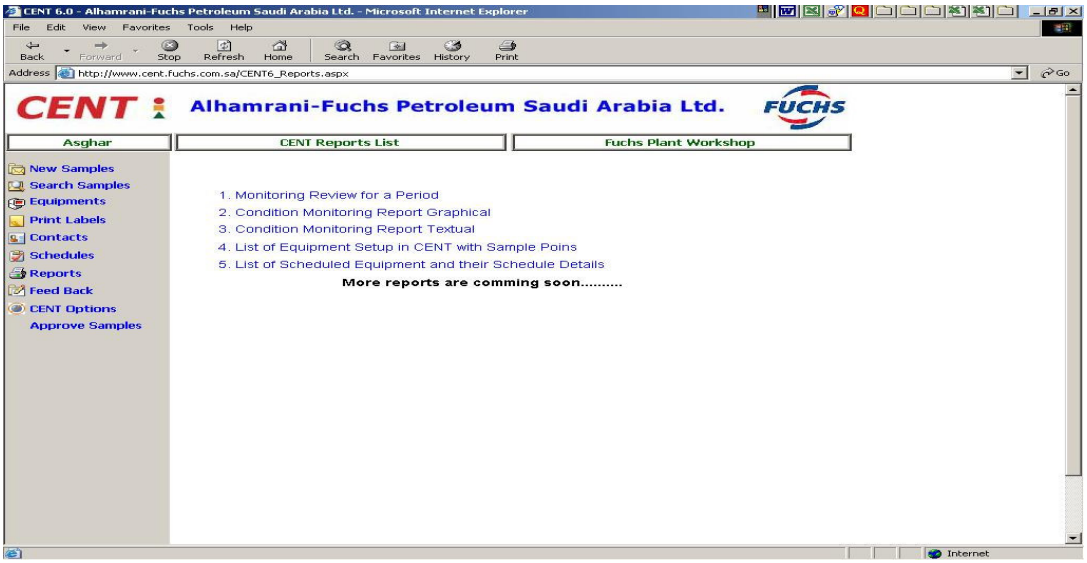


Fig. 14

8..1 Monitoring Review for a period

This is a very comprehensive report which gives a complete history of all samples done within a specific period categorized and sorted by equipments/sample points in one report. Based on this report, the customer can make better decisions in increasing the sampling intervals or reducing them for a specific sample point/equipment. To generate the report the user has to feed the starting and ending dates for which the report is required as shown in the following screen.

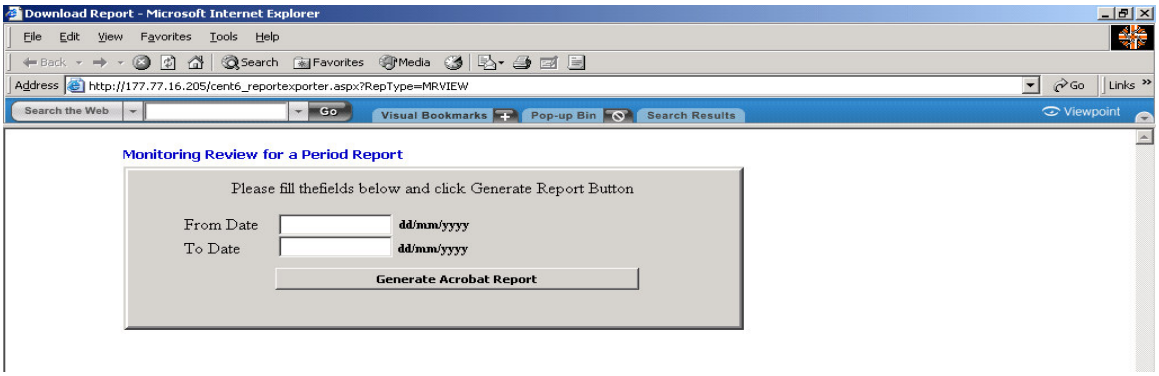


Fig. 15

The report sample is shown below (Fig. 16)

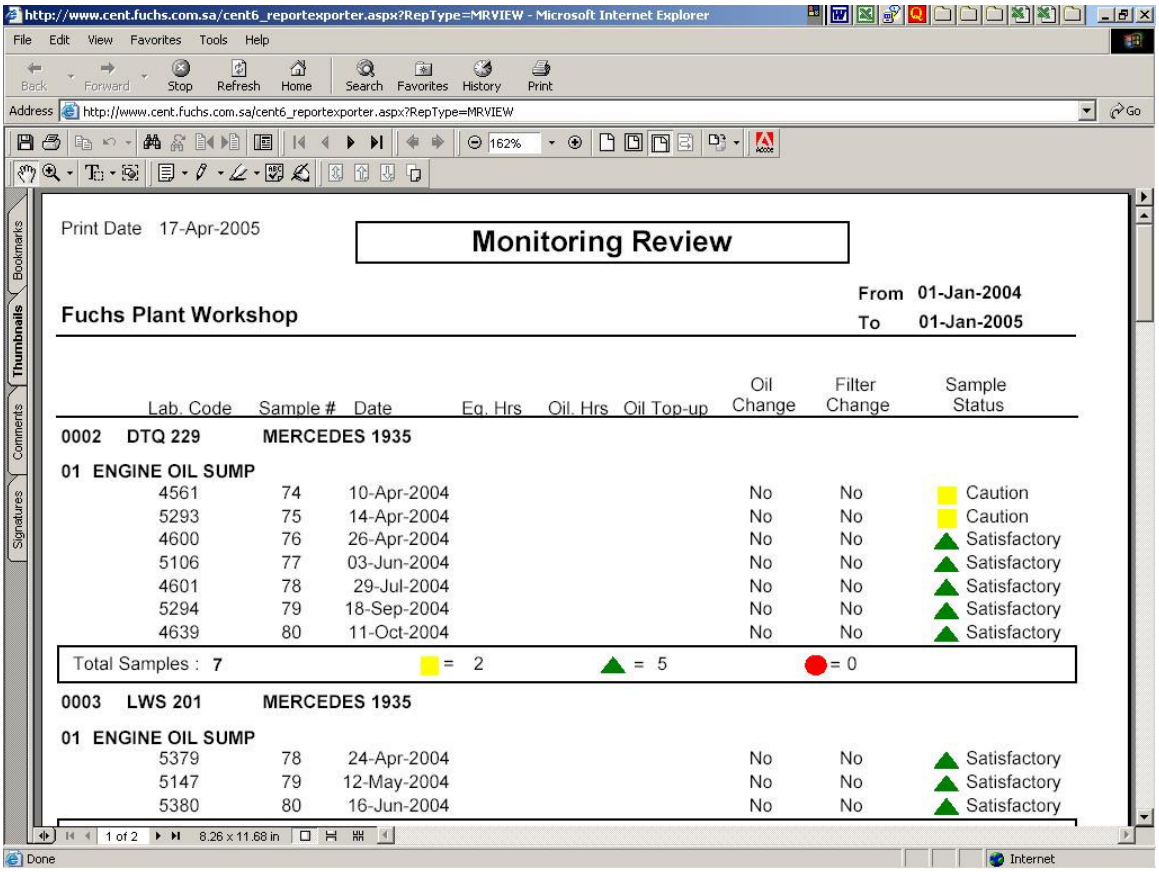


Fig. 16

8.2 Condition Monitoring Graphical Report

This is another useful report which displays for a specific sample the results in graphical format as shown below (fig. 17). The same report can be generated from the sample details screen (fig. 4).

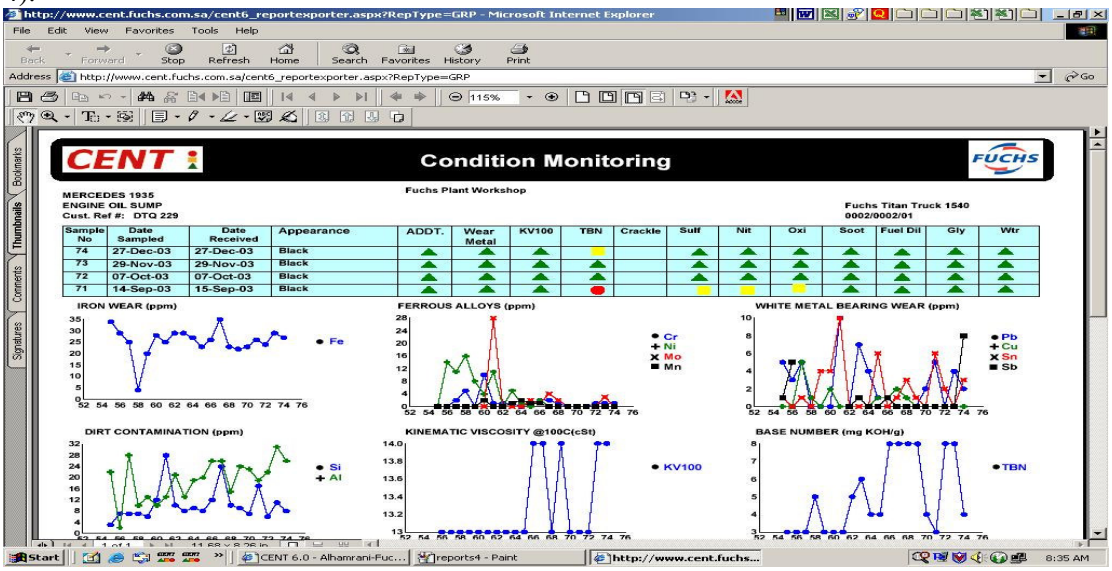
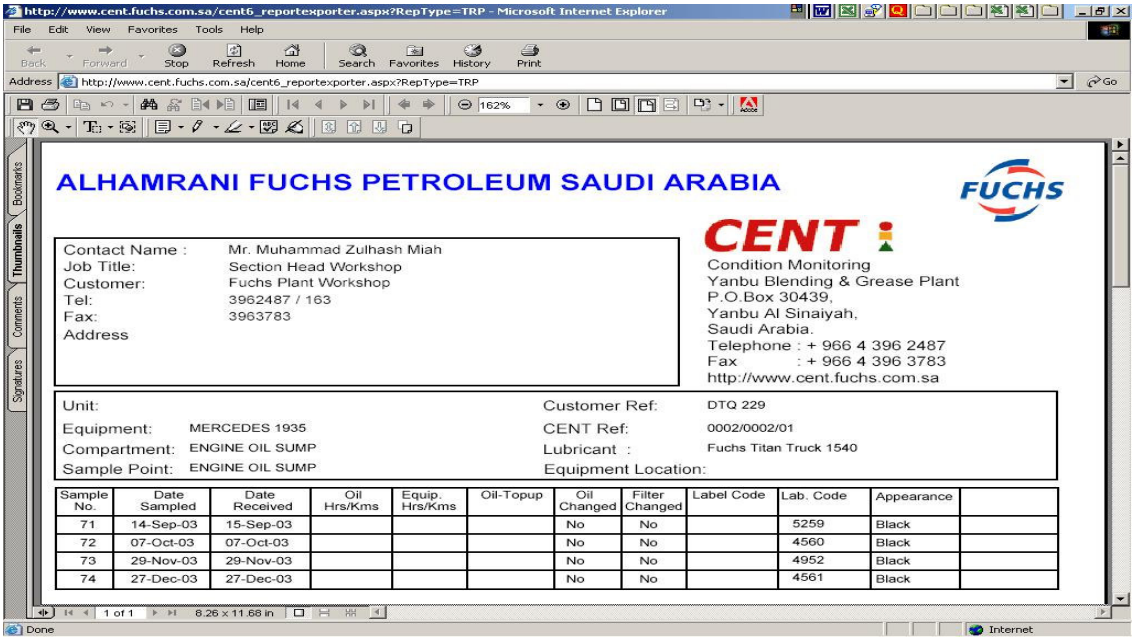


Fig. 17

8.3 Condition Monitoring Textual Report

This is the same report but in a text format as shown below (fig. 18). The same report can be generated from the sample details screen (fig. 4).



ALHAMRANI FUCHS PETROLEUM SAUDI ARABIA

FUCHS

CENT

Contact Name : Mr. Muhammad Zulhash Miah
Job Title: Section Head Workshop
Customer: Fuchs Plant Workshop
Tel: 3962487 / 163
Fax: 3963783
Address

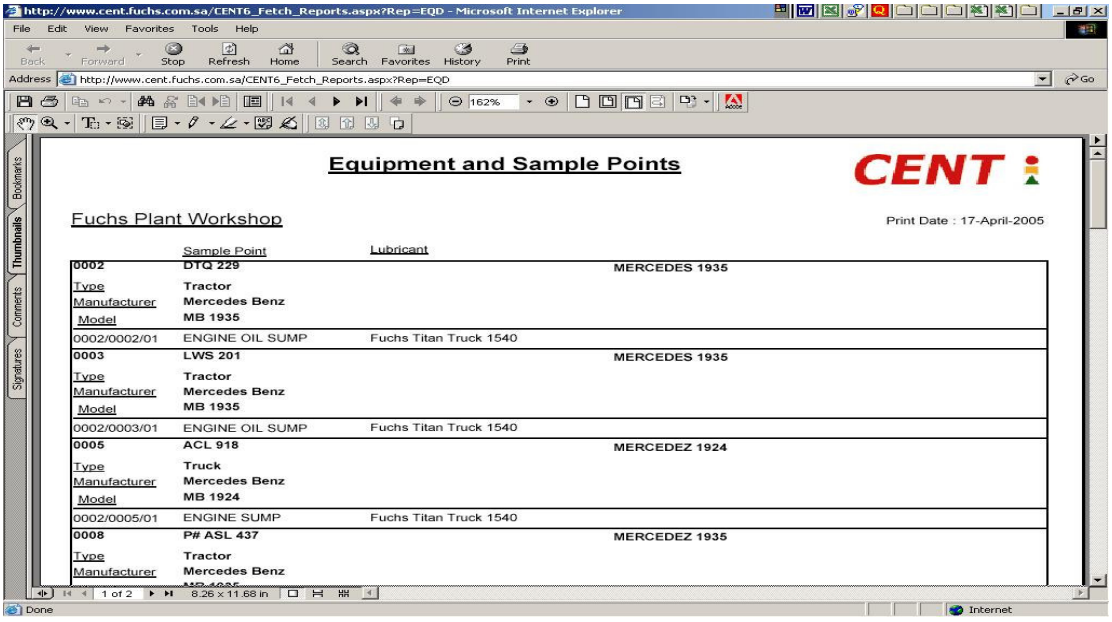
Condition Monitoring
Yanbu Blending & Grease Plant
P.O.Box 30439,
Yanbu Al Sinaiyah,
Saudi Arabia.
Telephone : + 966 4 396 2487
Fax : + 966 4 396 3783
http://www.cent.fuchs.com.sa

Unit:
Equipment: MERCEDES 1935
Compartment: ENGINE OIL SUMP
Sample Point: ENGINE OIL SUMP
Customer Ref: DTQ 229
CENT Ref: 0002/0002/01
Lubricant : Fuchs Titan Truck 1540
Equipment Location:

Sample No.	Date Sampled	Date Received	Oil Hrs/Kms	Equip. Hrs/Kms	Oil-Topup	Oil Changed	Filter Changed	Label Code	Lab. Code	Appearance	
71	14-Sep-03	15-Sep-03				No	No		5259	Black	
72	07-Oct-03	07-Oct-03				No	No		4560	Black	
73	29-Nov-03	29-Nov-03				No	No		4952	Black	
74	27-Dec-03	27-Dec-03				No	No		4561	Black	

Fig. 18

8.4 List of equipment setup in CENT with sample points (fig. 19). Same report can be generated from Equipments option (fig. 7)



Equipment and Sample Points

CENT

Fuchs Plant Workshop

Print Date : 17-April-2005

Sample Point		Lubricant	
0002	DTQ 229		MERCEDES 1935
Type	Tractor		
Manufacturer	Mercedes Benz		
Model	MB 1935		
0002/0002/01	ENGINE OIL SUMP	Fuchs Titan Truck 1540	
0003	LWS 201		MERCEDES 1935
Type	Tractor		
Manufacturer	Mercedes Benz		
Model	MB 1935		
0002/0003/01	ENGINE OIL SUMP	Fuchs Titan Truck 1540	
0005	ACL 918		MERCEDEZ 1924
Type	Truck		
Manufacturer	Mercedes Benz		
Model	MB 1924		
0002/0005/01	ENGINE SUMP	Fuchs Titan Truck 1540	
0008	P# ASL 437		MERCEDEZ 1935
Type	Tractor		
Manufacturer	Mercedes Benz		

Fig. 19

8.5 *List of scheduled equipment and their schedule details (fig. 20).* Same report can be generated from the schedule option (fig. 13).

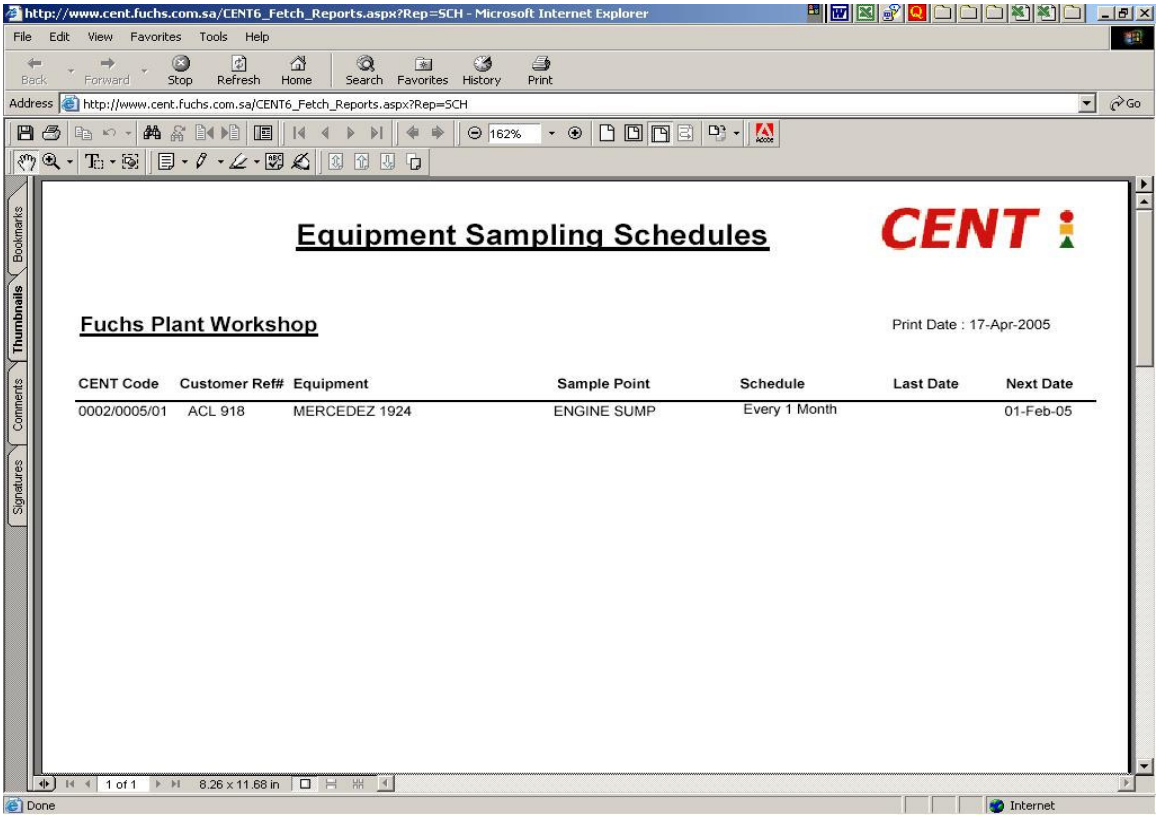

http://www.cent.fuchs.com.sa/CENT6_Fetch_Reports.aspx?Rep=SCH - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Print
Address http://www.cent.fuchs.com.sa/CENT6_Fetch_Reports.aspx?Rep=SCH
Go
162%
Bookmarks
Thumbnails
Comments
Signatures
Equipment Sampling Schedules
CENT
Fuchs Plant Workshop
Print Date : 17-Apr-2005
CENT Code Customer Ref# Equipment Sample Point Schedule Last Date Next Date
0002/0005/01 ACL 918 MERCEDEZ 1924 ENGINE SUMP Every 1 Month 01-Feb-05
1 of 1
8.26 x 11.68 in
Done
Internet

Fig. 20

9. Feedback

As a customer user, you can communicate with CENT Lab for any comments or requirements. This is a very good feature which ensures that your requests will be delivered to the right people at the right time.

All you have to do is to type the message you want to deliver with a proper subject heading and click “Submit” button as shown in the screen below (fig. 21)

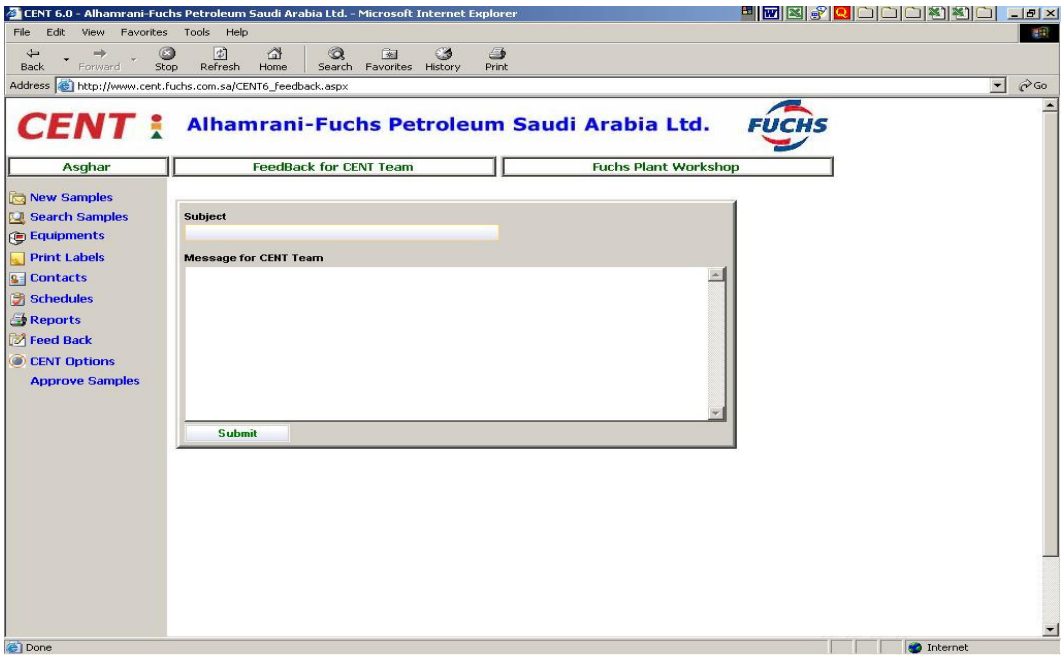


Fig 21

10. CENT Options

From this screen (fig 22), the user can change the default behavior of CENT application. If the same user has authorization for more than one customer, then he can also change the following:

- Current customer: in this option the user can change into another customer so the system will always display the information related to this customer, e.g., equipments, samples, reports…)
- Default customer: in this option the user can change which customer the system should automatically start the system with.

The user can also change the number of the samples displayed at one time on the screen. First enter the desired number of samples then click the button "Set Display Properties". This option gives more flexibility to the users who have different screen resolutions.

User can change his password. He has first enter his old password and then enter the new password and confirm it. First enter the old password, then type the new password and confirm it, then press the button "Change Password".

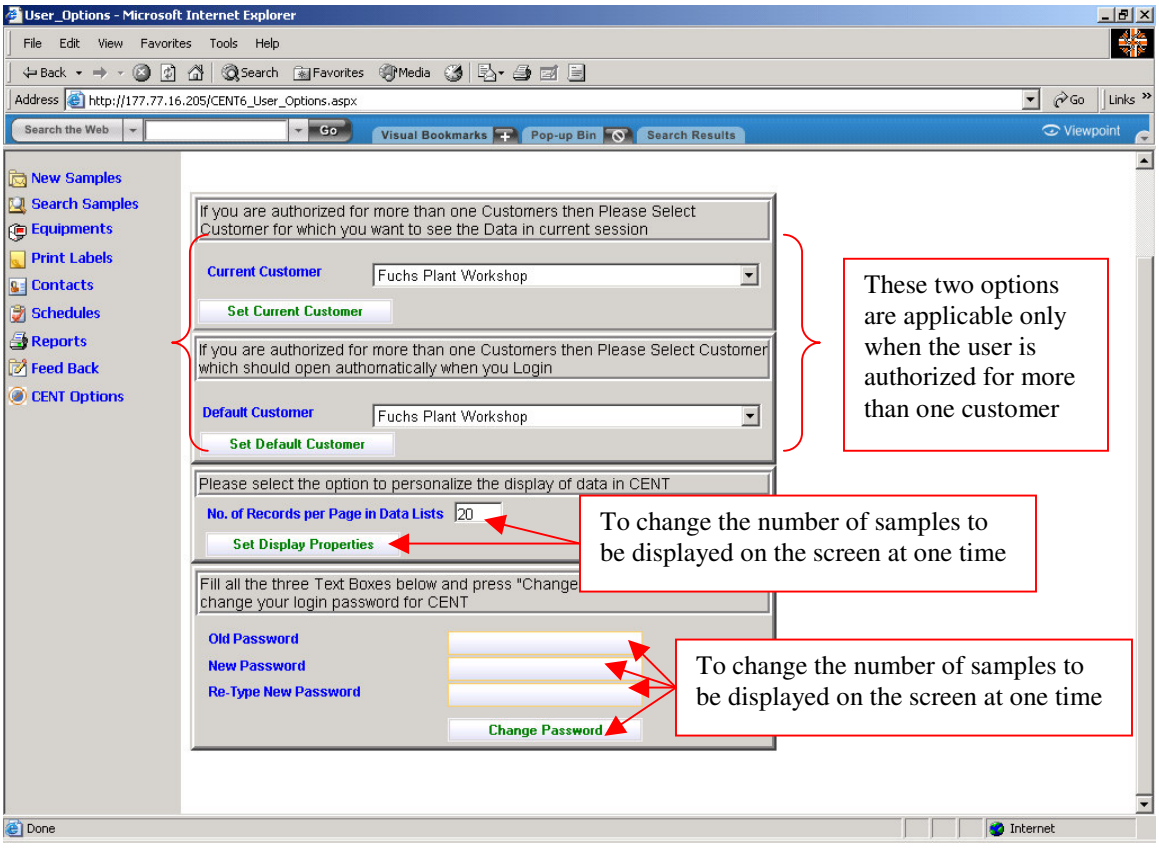


Fig 22

11. Approve Samples

This option is only for Sales People. When they login they are directly taken to this menu. Here they can view reports, approve or reject them. If they approve then the customer will receive an email alert that these reports are ready. The customer can view the reports only after the relevant sales person approves the reports. (This check can be removed on request of the sales person, so the customer receives the report directly).

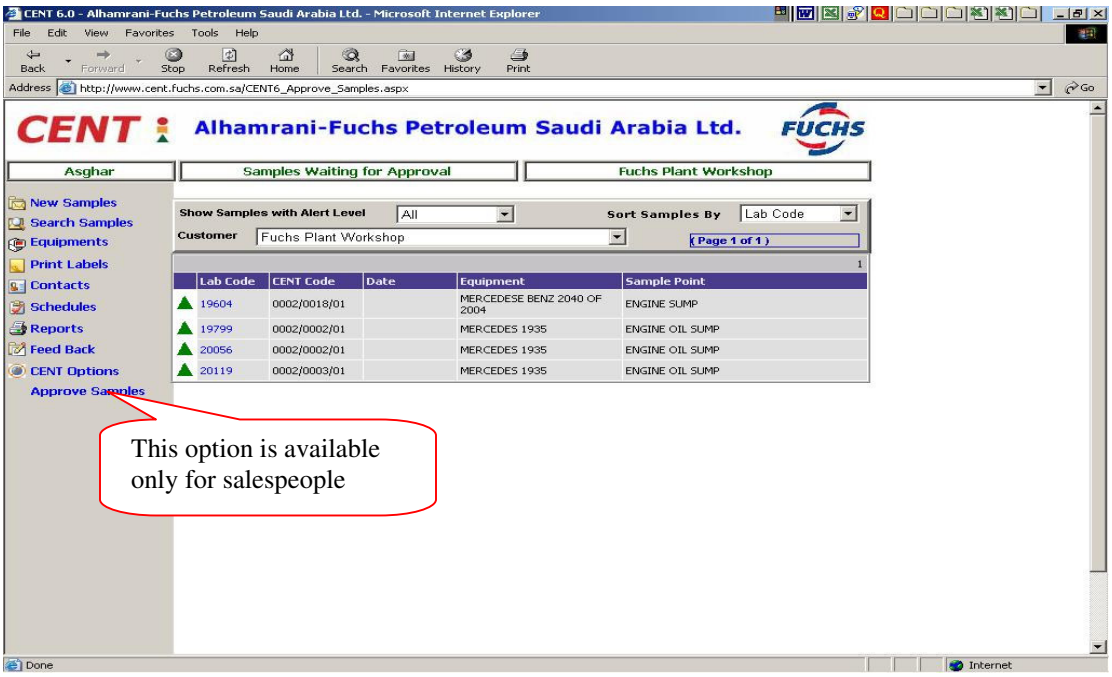


Fig 23

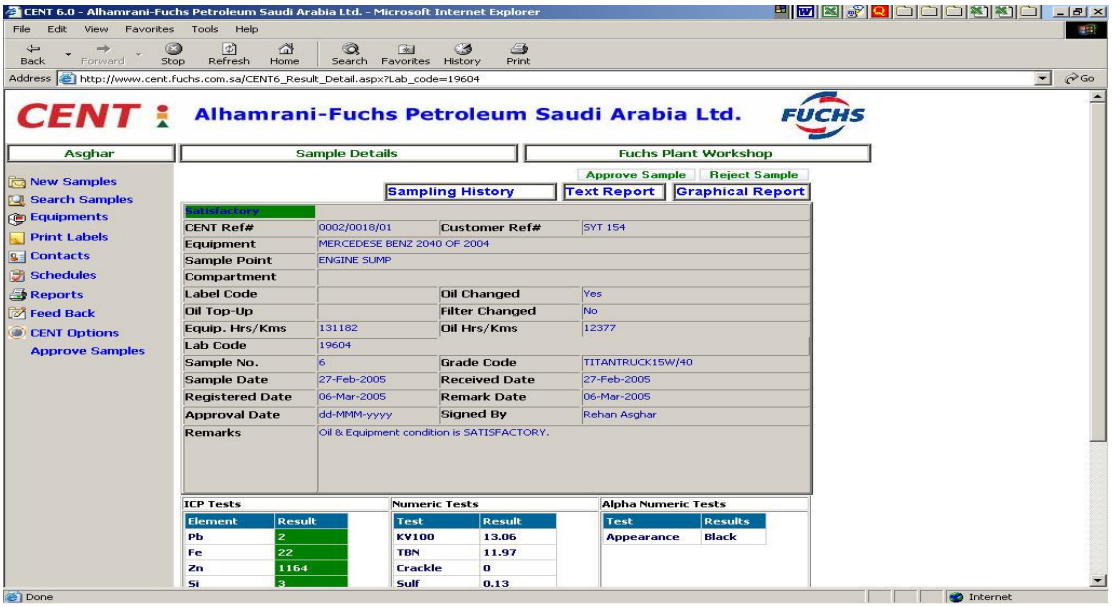


Fig 24