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 <u>www.cent.fuchs.com.sa</u> 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



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



🚰 CENT 6.0 - Alhamrani-Fuc	hs Petroleum Saudi Ar	abia Ltd Microsof	t Internet Explorer			_ <u>-</u> 2 ×
	es <u>T</u> ools <u>H</u> elp					
🛛 🕁 Back 🔹 🤿 🗸 🙆	🔏 🔕 Search 👔 Fa	avorites 《PMedia	3 B- 4 I E]		
Address 🕘 http://177.77.16	.205/CENT6_Result_Detai	l.aspx?Lab				▼ 🖉 Go 🛛 Links ≫
Search the Web 👻	-	🐻 To d	lisplay previo	us sampling		👁 Viewpoint 👝
		histo	ory of the sam	ne point in the		
CENT		same	e equipment ((see fig. 5)	FUCHS	
	Sample status			8.27	Y	To display the results in
CENT Test User		Details		Fuchs Plant Worksh	пор	Graphical & Text format
						(a = a = a = a = a = a = a = a = a = a =
New Samples		Samp	ling History	Text Report Graphical	Report	(see section 7.2 \approx 7.3)
Search Samples	Satisfactory) '	
	CENT Ref#	0002/0019/01	Customer Ref#	ALD 673		
	Equipment	NISSAN CIVILIAN BL	15 2002			
	Sample Point	ENGINE SUMP				
Schedules	Compartment					
	Label Code		Oil Changed	Yes		Sample result details
📝 Feed Back	Oil Top-Up	0	Filter Changed	No		Sumple result details
CENT Options	Equip. Hrs/Kms	101191	Oil Hrs/Kms	510		
	Lab Code	18353				
	Sample No.	9	Grade Code	01 Dec 2004		
	Sample Date	01-Dec-2004	Received Date	01-Dec-2004		
	Approval Date	01-Dec-2004	Signed Pu	Babap Acabar		
	Remarks	Oil & Equipment conc	tition is SATISEACTORY	leace use the oil for a longer interval	and	Lab Remarks and
	Reindiks	send another sample	L	lease use the oil for a longer linter var		recommendations
						regarding this sample
	ICP Tests	Nume	ric Tests	Alpha Numeric Tests		
	Element Resu	lt Test	Result	Test Results		
	Pb 0	KV10	0 15.01	Appearance Black		Test values results
	Fe 14	TBN	14.27			
5	Zn 1156	Crac	kle 0			
C.	`				_	Local intranet

Fig 4



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 6.0 - Alhamrani-Fuc	hs Petro	leum Saudi Arabi	ia Ltd Microsoft Internet Explorer				
Eile Edit View Favorite	es <u>T</u> ools	s <u>H</u> elp					1
💠 Back 🔹 🤿 🖉 🔯	₫ ©	Search 🚡 Favo	rites 🍘 Media 🎯 🛃 🚽 🗃				
Address 🕘 http://177.77.16.	205/CEN	T6_Equipments.asp:	x				▼ 🖉 Go 🛛 Links '
Search the Web 🔹		- Go	Visual Bookmarks 📻 Pop-i	ıp Bin 🚫	Search Results		👁 Viewpoint 🍙
CENT :	All	namr T di	o sort the list on ifferent keys	udi /	Arabia Ltd	. FUCHS	To generate e
CENT Test User		Equi	ph E		Fuchs Plant Wor	kshop	TO generate a
	Please	Click here to get	Report Equipment Setup in CENT	with their Sar	nple Poins Details		report for the
New Samples	Sort	Equipment By	CENT Code		(Page 1	1 of 1)	defined
🛋 Equipments						1	
	CENT	Customer Ref#	Description	Туре	Manufacturer	Model	
Click to view	2	DTQ 229	MERCEDES 1935	Tractor	Mercedes Benz	MB 1935	
all sampling	8	LWS 201	MERCEDES 1935	Tractor	Mercedes Benz	MB 1935	
points of this	5	ACL 918	MERCEDEZ 1924	Truck	Mercedes Benz	MB 1924	
equinment	8	P# ASL 437	MERCEDEZ 1935	Tractor	Mercedes Benz	MB 1935	
equipment		P# DLS 151	MERCEDEZ 1935	Tractor	Mercedes Benz	MB 1935	
	010	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	
🛃 Done							🖉 Local intranet

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.

🚈 CENT 6.0 - Alhamrani-Fuchs Petroleum Saudi Arabia Ltd Microsoft Internet Ex	olorer 🔤 🔤 😂 😜 🔽 🗅 🗋 💐 🖄 🗋 💶 🗗 🗡
File Edit View Favorites Tools Help	
↔ → ③ ☑ ⓓ ⓓ ③ ⓓ ③ Back Forward Stop Refresh Home Search Favorites History	Print
Address 🚳 http://www.cent.fuchs.com.sa/CENT6_Labels.aspx	💌 🖗 Go
CENT Alhamrani-Fuchs Petroleu	m Saudi Arabia Ltd. FUCHS
Asghar Print Labels for Sample Bottles	Fuchs Plant Workshop
🔂 New Samples	
Search Samples Please select your equipment(from Equipment Des Point or directly select CENT Code below to generation	cription or Customer Ref#) and then Sample te Labels
Print Labels Equipment MERCEDEZ 1924	Customer Ref# ACL 918
Contacts Sample Point ENGINE SUMP	
CENT Code 0002/0005/01	
Label Details	
Sample Date 01/01/2005 dd/mm/www	
Approve Camples No. of Labels 1	
Eq. Hrs/Kms 1000	
Oil Hrs/Kms 500 To create one	label and print
Oil Top-up 25 all proviously	areated labels
Oil Changed	created labels,
Filter Changed 🔽 11 any, 11 the	current batch.
Note	
Save in Lurrent Label Batch Save in Lurrent L	abel Batch and Let Labels
To create the labels one by	To print all
one but without printing	created labels in
them	the current batch
Done the the terms of te	

Fig. 9



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)

Asghar	Print Labels for Sample Bottles Fuchs Plant Workshop
New Samples Search Samples Equipments Print Labels Contacts Schedules Reports Feed Back CENT Options	Please Click here to get Report of Scheduled Equipment and their Schedule Details Please select your equipment(from Equipment Description or Customer Ref#) and then Sam Point or directly select CENT Code below to generate Sampling Schedule Equipment MERCEDEZ 1924 Sample Point ENGINE SUMP CENT Code 0002/0005/01 This sample point have following sch Schedule settings then change the v save button Lext Endeduce T
Approve samples	Next Schedule D1-Feb-2005 Every Image: Month image:
Up to 3 co can be det	ined
_	

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

🚰 CENT 6.0 - Alhamrani-Fuch	s Petroleum Saudi Arabia Ltd Microsoft Internet Explo	rer 🖉 🖉 🖉 💭 🗅 🖒 🕌 💻 🜌
File Edit View Favorites	Tools Help C C C C C C C C C C C C C C C C C C C	a de la companya de
Address http://www.cent.hu	ichs.com.sa/CENT6_Reports.aspx	<u> (* 60</u>
CENT :	Alhamrani-Fuchs Petroleum	Saudi Arabia Ltd. FUCHS
Asghar	CENT Reports List	Fuchs Plant Workshop
 New Samples Search Samples Equipments Print Labels Contacts Schedules Reports Feed Back DENT Options Approve Samples 	 Monitoring Review for a Period Condition Monitoring Report Textual Condition Monitoring Report Textual List of Equipment Setup in CENT with Sam List of Scheduled Equipment and their Sch More reports are comm 	nple Poins hedule Details ling soon
ê)		internet 👘

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.

🚰 Download Report - Microsoft Internet Explorer	_ 8 ×
Eile Edit View Favorites Iools Help	4
] ← Back → → → @ 2 🚰 @Search 📾 Favorites @Media 🎯 📴 🚍 🚍	
Address (a) http://177.77.16.205/cent6_reportexporter.aspx?RepType=MRVIEW	▼ 🖓 Go 🗍 Links ≫
Search the Web 👻 🔽 🐨 Visual Bookmarks 🖶 Pop-up Bin 🕥 Search Results	😎 Viewpoint 👝
Monitoring Review for a Period Report Please fill thefields below and click Generate Report Button From Date dd/mm/yyyy To Date Generate Acrobat Report	<u>~</u>



The report sample is shown below (Fig. 16)

tp://www.cent.fuchs.com.sa/cer	t6_reportex	porter.aspx?RepTyp	e=MRVIEW -	Microsoft Internet Explorer) _
Edit View Favorites Tools	Help							
k Forward Stop Refn) 쇼 esh Home	Search Favorites	History F	Angele and the second s				
ess 🙆 http://www.cent.fuchs.com.s	a/cent6_report	exporter.aspx?RepType	=MRVIEW					•
3 h ··· # # 11)		> > 4 +	Θ 162%		9 - 🚺			
Q . T	- 🕅 🔬		1					
								_
Print Date 17-Apr-200)5	2			66.15	0		
	5.70		Mon	itoring Review	N			
Fuche Plant Work	chon					From	01-Jan-2004	
Fuchs Plant Work	snop					То	01-Jan-2005	
					Oil	Filter	Sample	
Lab. Code	Sample	# Date	Eq. Hrs	Oil. Hrs Oil Top-up	Change	Change	Status	20
0002 DTQ 229	MERCE	DES 1935						
01 ENGINE OIL SUM	Р							
4561	. 74	10-Apr-2004			No	No	Caution	
5293	75	14-Apr-2004			No	No	Caution	
4600	76	26-Apr-2004			No	No	Satisfactory	
5106	77	03-Jun-2004			No	No	Satisfactory	
4601	78	29-Jul-2004			No	No	▲ Satisfactory	
5294	79	18-Sep-2004			No	No	Satisfactory	
4639	80	11-Oct-2004			No	No	Satisfactory	
Total Samples : 7		=	2	▲ = 5		• = 0		
0003 LWS 201	MERCE	DES 1935						
01 ENGINE OIL SUM	Р							
5379	78	24-Apr-2004			No	No	Satisfactory	
5147	79	12-May-2004			No	No	Satisfactory	
5380	80	16-Jun-2004			No	No	▲ Satisfactory	
•] H ⊀ 1 of 2 ▶ ₩ 8.26 x 1	1.68 in 🔲	8 # 1						
ne							🔹 🚺 🔮 Internet	-

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.



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).

dic view	Favorites To	ols Help									
+ → Eorwa	rd Stop	이 아이	Search	Eavorites H	🍏 🎒 istory Print						
http://	www.cent.fuchs.	com.sa/cent6_repo	ortexporter.asp	x?RepType="	IRP						•
	- 44 & B		4 6 61		A 162%	• PI	ৰ লিব হা	D3 - 14			
					0 1102.10			Acobe			
• • • • • • •	99: E3 * V		0.03 00 03	U							
	ANDA		LIC DI	TRO	I ELIN	A CAL		DADIA			
ALH	AWRA	NIFUC	HS PI	EIRC	LEON	I SAU	DIA	RABIA	1.0		FUCHS
								CE	AIT		
Contar	t Name :	Mr. Muham	mad Zulha	sh Miah				CE		-	
Job Tit	le.	Section He	ad Workshi	on				Conditio	n Monitorir	na	
Custor	ner	Euchs Plan	t Workshor					Yanbu E	Blending &	Grease Plant	
Tel	iler.	3962487 /	163					P.O.Box	30439.		
Fax:		3963783						Yanbu A	Sinaivah.		
Addros		5505705						Saudi A	rabia.		
Addres	55							Telepho	ne : + 966	4 396 2487	
								Fax	: + 966	4 396 3783	
								http://ww	vw.cent.fuc	hs.com.sa	
Unit:						Customer	Ref:	DTQ 229			
Equipp	aget ME	DOEDES 1025					£.	0002/0003	001		
Equipi	nent. Me	CINE OIL CLIM	P			CENTRE	ц.	Guoka Tita	Truck 1540		
Compa	artment: EN	GINE OIL SUM	P			Lubricant	÷	Fuchs Lita	IN TRUCK 1540	,	
Sample	e Point: EN	GINE OIL SUM	Р			Equipmen	nt Locatio	on:			
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	
1.4											

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)

🕘 http://www	v.cent.fuchs.com	n.sa/CENT6_Fetch_Re	ports.aspx?Rep=EQD - Microsoft Internet Explorer 🛛 🖬 📧 🔗 📿 🗀 🗀 🐔 🐔	
File Edit Vi	iew Favorites	Tools Help		100
Back Fo	→ · ③ prward Stop	예 4 Refresh Home	🕱 📾 🧭 🎒 Search Favorites History Print	
Address 🍯 htt	tp://www.cent.fuc	hs.com.sa/CENT6_Fetch	_Reports.aspx?Rep=EQD	▼ 🖓 Go
83 4	∾ - #4 ∰			
87 Q - I	b•⊠ ∎•	0 - 4 - 🖾 🕰 🛛		
Bockmarks			Equipment and Sample Points CENT	
stiend <u>Fu</u>	ichs Plant	Workshop	Print Date : 17-April-20	005
	2	Sample Point	Lubricant	
5 000	02 [DTQ 229	MERCEDES 1935	
2 Typ	<u>pe</u>	Tractor		
	nutacturer I	Wercedes Benz MB 1935		
	12/0002/01 F	INGINE OIL SUMP	Fuchs Titan Truck 1540	
3 000	03 1	LWS 201	MERCEDES 1935	-
	oe 1 Inufacturer 1 odel 1	Tractor Mercedes Benz MB 1935		
000	02/0003/01 E	ENGINE OIL SUMP	Fuchs Titan Truck 1540	
000	05 A	ACL 918	MERCEDEZ 1924	
Typ Mai Mo	oe 1 Inufacturer 1 Iodel 1	Fruck Mercedes Benz MB 1924		
000	02/0005/01 E	ENGINE SUMP	Fuchs Titan Truck 1540	
000	08 F	P# ASL 437	MERCEDEZ 1935	
	nufacturer	Tractor Mercedes Benz		-
Done	1 of 2 🕨 🖬	8.26 × 11.68 in	HH 1	×

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).



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

(h)	S) (8) (3)	0	CA /3		
ack Forward 9	top Refresh Home	Search Favorite	s History Print		
lress 🙋 http://www.cent	.fuchs.com.sa/CENT6_Re:	sult_Detail.aspx?Lab_co	de=19604		-
	o liketto to the				
CENT	Alhamrar	ni-Fuchs Pe	etroleum Sa	udi Arabia Ltd. FUCHS	
Asghar] <u>s</u>	ample Details		Fuchs Plant Workshop	
Now Complex				Approve Sample Reject Sample	
Coarch Camples		Samp	ling History	Text Report Graphical Report	
Equipments	Satisfactory				
cepaipments	CENT Ref#	0002/0018/01	Customer Ref#	SYT 154	
Print Labels	Equipment	MERCEDESE BENZ 20	040 OF 2004		
Contacts	Sample Point	ENGINE SUMP			
Schedules	Compartment				
Reports	Label Code		Oil Changed	Yes	
Feed Back	Oil Top-Up		Filter Changed	No	
CENT Options	Equip. Hrs/Kms	131182	Oil Hrs/Kms	12377	
Approve Samples	Lab Code	19604			
	Sample No.	6	Grade Code	TITANTRUCK15W/40	
	Sample Date	27-Feb-2005	Received Date	27-Feb-2005	
	Registered Date	06-Mar-2005	Remark Date	06-Mar-2005	
	Approval Date	dd-MMM-yyyy	Signed By	Rehan Asghar	
	Remarks	Oil & Equipment cond	lition is SATISFACTORY.		
	ICP Tests	Nume	ric Tests	Alpha Numeric Tests	
	Element Res	ult Test	Result	Test Results	
	Pb 2	KV10	0 13.06	Appearance Black	
	Fe 22	TBN	11.97		
	Zn 116	f Crac	de 0		
	51 3	Sulf	0.13		

Fig 24