



OIL ANALYSIS REPORT

UIN 094CFBD

Diesel Engine

Unit No. CATC32

Unit:
Make
Model
Serial No.
Capacity: Ltrs
Site

Compartment:

Name Diesel Engine
Make Caterpillar
Model C32
Serial No. PRH08740

Customer:
POWER GENERATION ENTERPRISES INC
11411 Cumpston ST Suite 104
North Hollywood CA 91601
USA

DIAGNOSIS

Engine wear levels appear satisfactory for run-in period. Silicon level is most likely due to seal and gasket material reaction with the lubricant. Water content acceptable. Due to lack of information (oil grade) not all tests can be determined. Please provide missing oil information; we need manufacturer, type, and grade to evaluate the oil data. Action: Resample at next recommended interval to monitor and establish wear trend.

ANALYST: Stan.Leitz

LEGEND				
Normal	Severe	Abnormal	Caution	Normal

DATE SAMPLED	28-Apr-22
DATE RECEIVED	09-May-22
DATE REPORTED	10-May-22

LAB NO.	40111350615
SIF NO.	43092116
TIME ON UNIT	3000
TIME ON OIL	3000
OIL BRAND	Unidentified
OIL TYPE	Unidentified
OIL GRADE	Unknown
OIL ADDED	
FILTER	Not Changed
OIL CHANGED	Not Changed
WO NUMBER	

Metals (ppm)	
Iron (Fe)	87
Chromium (Cr)	2
Lead (Pb)	2
Copper (Cu)	10
Tin (Sn)	<1
Aluminium (Al)	<1
Nickel (Ni)	2
Silver (Ag)	<1
Titanium (Ti)	<1
Vanadium (V)	<1

Contaminants (ppm)	
Silicon (Si)	37
Sodium (Na)	3
Potassium (K)	<1
Water (%)	<0.05
Coolant	No

Additives (ppm)	
Magnesium (Mg)	764
Calcium (Ca)	2045
Barium (Ba)	<1
Phosphorus (P)	1094
Zinc (Zn)	1403
Molybdenum (Mo)	42
Boron (B)	139

Physical Tests	
Viscosity (cSt 100C)	13.1
Fuel (%)	--
Soot (%) Infrared	0.2

Physical / Chemical	
Base Number (mgKOH/g)	5.5





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U.S. Laboratories

Atlanta, Georgia - 420

5300 OakBrook Parkway
Building 200 Suite 245
Norcross, GA 30093
800.394.3669

Valley View, Ohio - 410

6180 Halle Dr. Suite D
Valley View, OH 44125
800.726.5400

Kansas City, Kansas - 430

935 Sunshine Road
Kansas City, KS 66115
800.332.8055

Phoenix, Arizona - 440

3319 West Earll Drive
Phoenix, AZ 85017
800.445.7930

Portland, Oregon - 401

4943 NW Front Avenue
Portland, OR 97210
800.770.4128

Canadian Laboratories

Burlington, Ontario - 450

5036 South Service Rd.
Burlington, ON L7L5Y7
905 332 9559

Edmonton, Alberta - 402

9450 17 Ave NW
Edmonton, AB T6N 1M9
888.489.0057

Sales & Marketing

Houston, Texas

10450 Stancliff Road, Suite 210
Houston, TX 77099
877.835.8437

International Locations

Australia

Brisbane, Perth, Sydney,
Muswellbrook

Europe

Prague

New Zealand

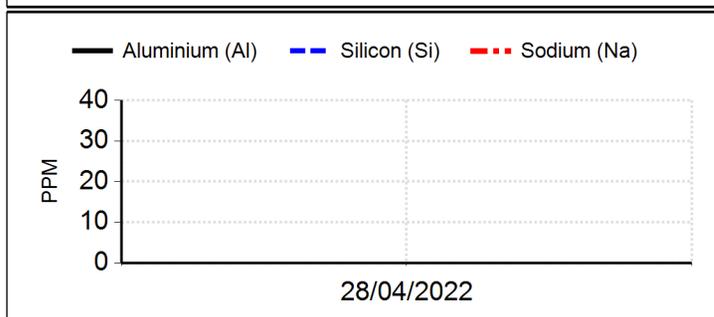
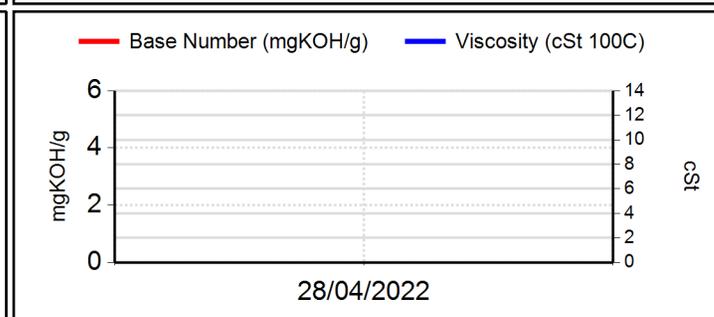
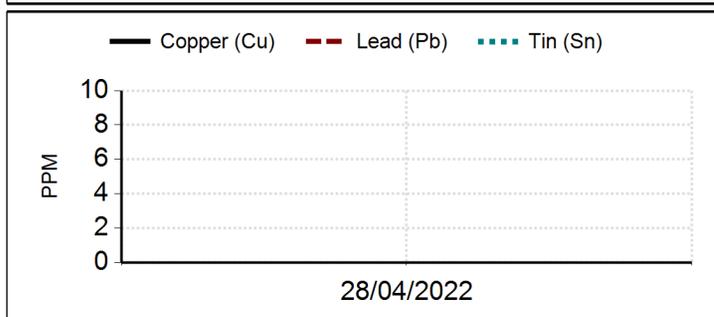
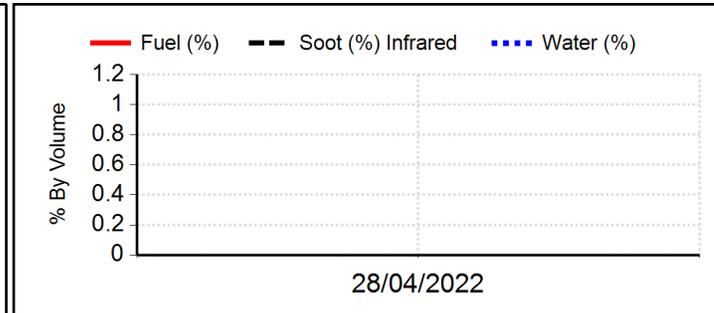
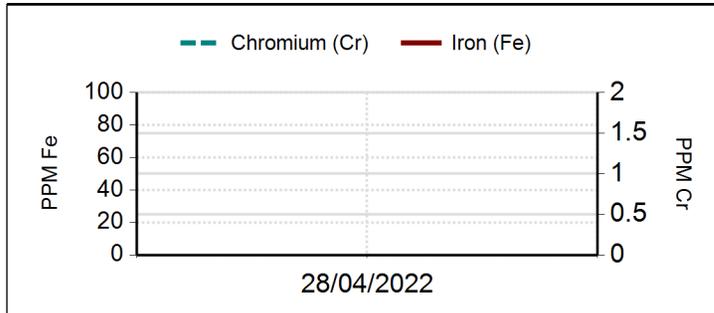
Wellington

South America

Santiago de Chile,
Belo Horizonte, Brazil

Southeast Asia

Kuala Lumpur, Singapore



Filter Image

Filter patch test is not performed Contact laboratory for more information

Since services are based on samples and information supplied by others, and since corrective actions, if any, are necessarily taken by others, these services are rendered without any warranty or liability of any kind beyond the actual amount paid to ALS Tribology for the services. Reported recommendations are based on interpretations of the generated test results and historical data. Certain test results appearing in this report may have been tested at other ALS laboratories within the Tribology divisional network.

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