

OIL ANALYSIS REPORT



Machine Id
CATERPILLAR 908M 633
 Component
Rear Differential
 Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

Sample Rating Trend



DIAGNOSIS

- Recommendation**
The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
Bearing and/or bushing wear is indicated.
- Contamination**
Moderate concentration of visible dirt/debris present in the oil.
- Fluid Condition**
The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0118140	---	---
Sample Date	Client Info	18 Apr 2024	---	---
Machine Age	hrs	5500	---	---
Oil Age	hrs	5500	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >500	147	---	---
Chromium	ppm	ASTM D5185m >3	3	---	---
Nickel	ppm	ASTM D5185m >3	2	---	---
Titanium	ppm	ASTM D5185m >2	1	---	---
Silver	ppm	ASTM D5185m >2	<1	---	---
Aluminum	ppm	ASTM D5185m >30	2	---	---
Lead	ppm	ASTM D5185m >13	10	---	---
Copper	ppm	ASTM D5185m >103	▲ 180	---	---
Tin	ppm	ASTM D5185m >5	▲ 15	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 250	11	---	---
Barium	ppm	ASTM D5185m 10	17	---	---
Molybdenum	ppm	ASTM D5185m 100	2	---	---
Manganese	ppm	ASTM D5185m	10	---	---
Magnesium	ppm	ASTM D5185m 450	10	---	---
Calcium	ppm	ASTM D5185m 3000	3013	---	---
Phosphorus	ppm	ASTM D5185m 1150	1048	---	---
Zinc	ppm	ASTM D5185m 1350	1192	---	---
Sulfur	ppm	ASTM D5185m 4250	11408	---	---

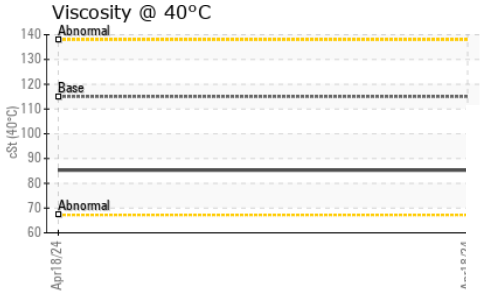
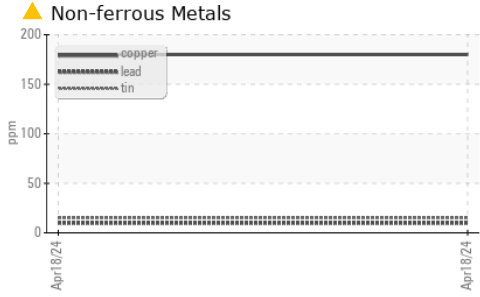
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >100	13	---	---
Sodium	ppm	ASTM D5185m >158	0	---	---
Potassium	ppm	ASTM D5185m >20	10	---	---

VISUAL

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual NONE	NONE	---	---
Yellow Metal	scalar	*Visual NONE	NONE	---	---
Precipitate	scalar	*Visual NONE	NONE	---	---
Silt	scalar	*Visual NONE	NONE	---	---
Debris	scalar	*Visual NONE	▲ MODER	---	---
Sand/Dirt	scalar	*Visual NONE	NONE	---	---
Appearance	scalar	*Visual NORML	NORML	---	---
Odor	scalar	*Visual NORML	NORML	---	---
Emulsified Water	scalar	*Visual >.2	NEG	---	---
Free Water	scalar	*Visual	NEG	---	---

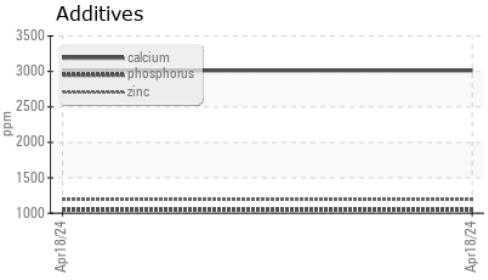
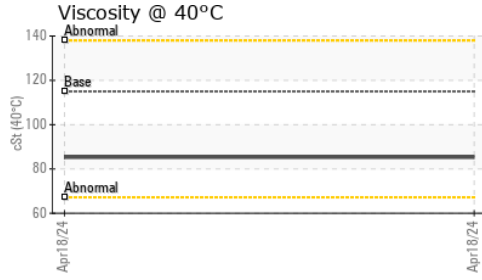
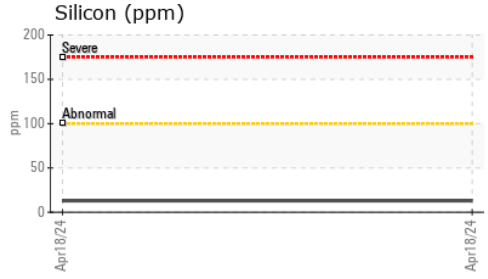
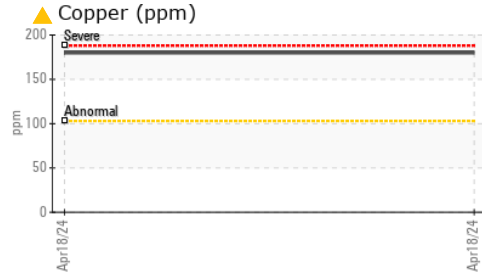
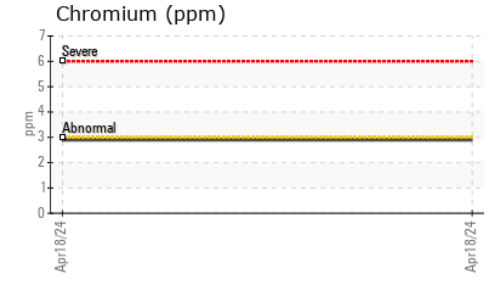
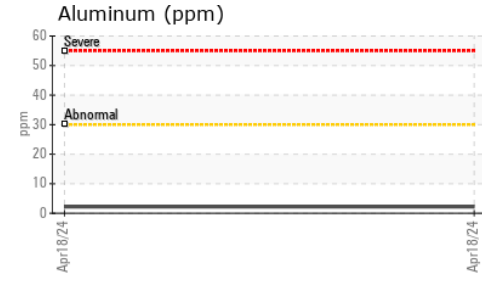
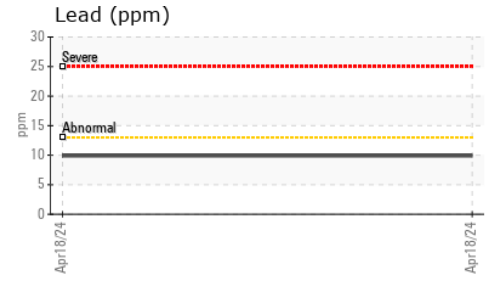
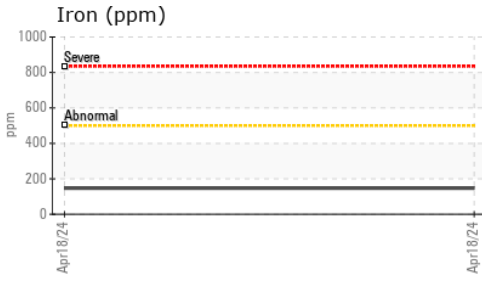
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	115	85.3	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0118140 **Received** : 24 Apr 2024
Lab Number : **06159933** **Tested** : 25 Apr 2024
Unique Number : 10995356 **Diagnosed** : 26 Apr 2024 - Don Baldrige
Test Package : MOB 1

CENTRAL VALLEY AG
 5707 LANGWORTH
 OAKDALE, CA
 US 95361
 Contact: LAB TECH
 m-labtech@outlook.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: