

OIL ANALYSIS REPORT



Area
LOADER
Machine Id
CATERPILLAR 938M 2376
Component
Transmission (Manual)
Fluid
TDH FLUID SAE 75W80 (--- GAL)

Sample Rating Trend



VISUAL METAL



DIAGNOSIS

▲ Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

▲ Wear

Moderate concentration of visible metal present. All component wear rates are normal.

▲ Contamination

Moderate concentration of visible dirt/debris present in the fluid.

Fluid Condition

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0064216	---	---
Sample Date	Client Info	25 Aug 2023	---	---
Machine Age	hrs Client Info	7995	---	---
Oil Age	hrs Client Info	7995	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>200	125	---	---
Chromium ppm ASTM D5185m	>5	1	---	---
Nickel ppm ASTM D5185m	>5	<1	---	---
Titanium ppm ASTM D5185m		<1	---	---
Silver ppm ASTM D5185m	>7	0	---	---
Aluminum ppm ASTM D5185m	>25	5	---	---
Lead ppm ASTM D5185m	>45	2	---	---
Copper ppm ASTM D5185m	>225	5	---	---
Tin ppm ASTM D5185m	>10	0	---	---
Vanadium ppm ASTM D5185m		<1	---	---
Cadmium ppm ASTM D5185m		<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	10	114	---	---
Barium ppm ASTM D5185m	10	0	---	---
Molybdenum ppm ASTM D5185m	10	8	---	---
Manganese ppm ASTM D5185m		2	---	---
Magnesium ppm ASTM D5185m	100	140	---	---
Calcium ppm ASTM D5185m	3500	3238	---	---
Phosphorus ppm ASTM D5185m	1150	1097	---	---
Zinc ppm ASTM D5185m	1150	1424	---	---
Sulfur ppm ASTM D5185m	5000	4186	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>125	74	---	---
Sodium ppm ASTM D5185m		5	---	---
Potassium ppm ASTM D5185m	>20	4	---	---

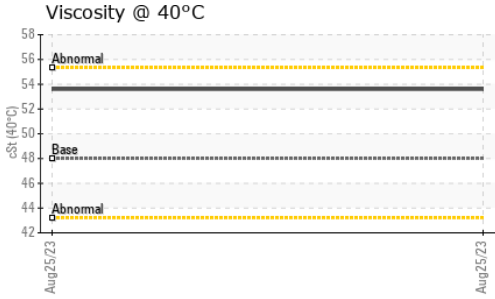
VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	▲ MODER	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	▲ MODER	---	---
Debris scalar *Visual	NONE	NONE	---	---
Sand/Dirt scalar *Visual	NONE	NONE	---	---
Appearance scalar *Visual	NORML	NORML	---	---
Odor scalar *Visual	NORML	NORML	---	---
Emulsified Water scalar *Visual	>0.1	NEG	---	---
Free Water scalar *Visual		NEG	---	---

FLUID PROPERTIES

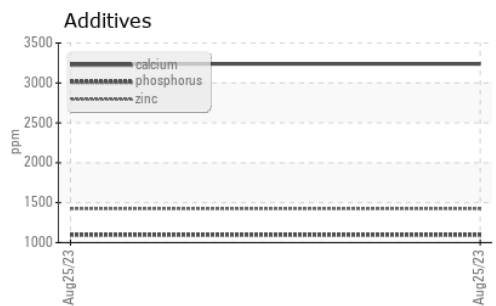
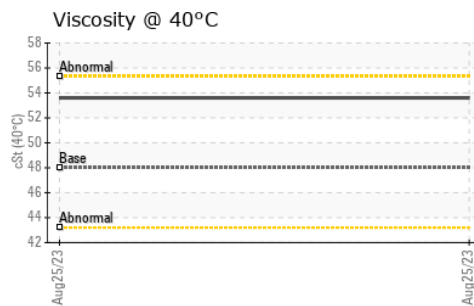
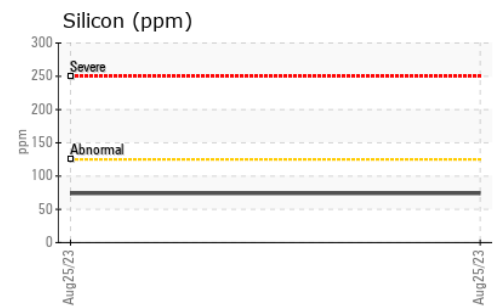
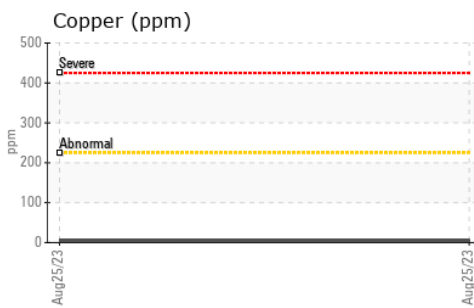
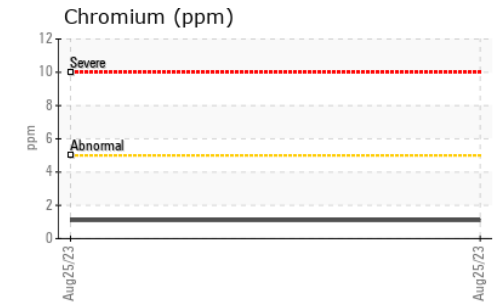
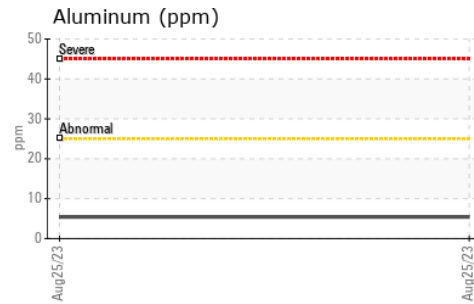
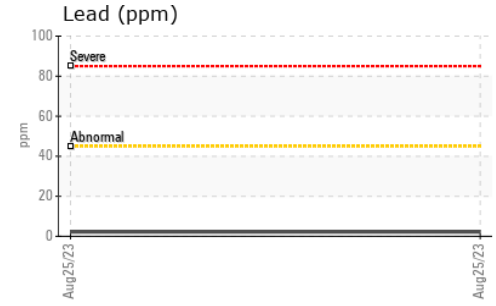
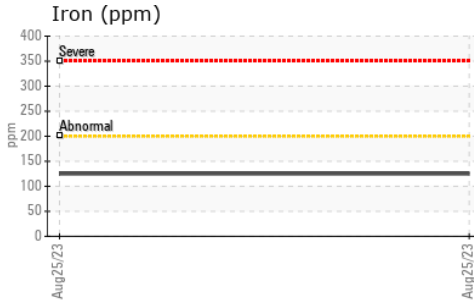
method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	48	53.6	---	---

OIL ANALYSIS REPORT



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. : PCA0064216 **Received** : 28 Aug 2023
Lab Number : 05936863 **Diagnosed** : 31 Aug 2023
Unique Number : 10622134 **Diagnostician** : Don Baldrige
Test Package : MOB 1

D-CONSTRUCTION
 1488 S BROADWAY
 COAL CITY, IL
 US 60416
 Contact: MICHAEL MCKEE
 m.mckee@dconstruction.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: