

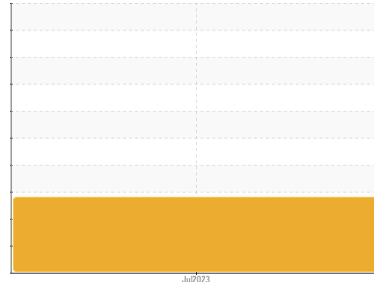


PROBLEM SUMMARY



Machine Id
CATERPILLAR RM-500 06-0981 (S/N OMB900148)
 Component
Front Left Final Drive
 Fluid
MOBIL DTE 10 EXCEL 46 (--- GAL)

Sample Rating Trend

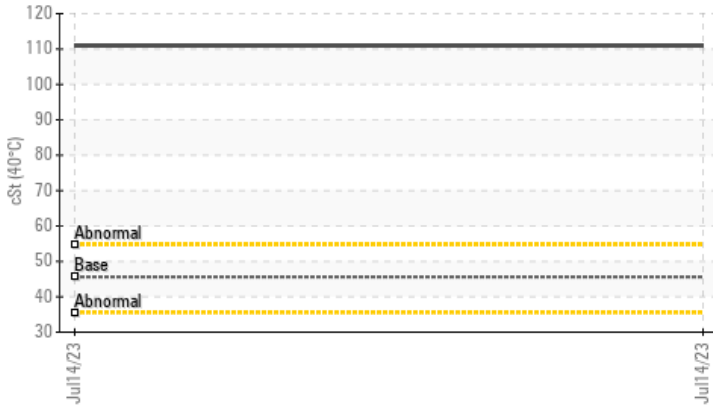


VISCOSITY

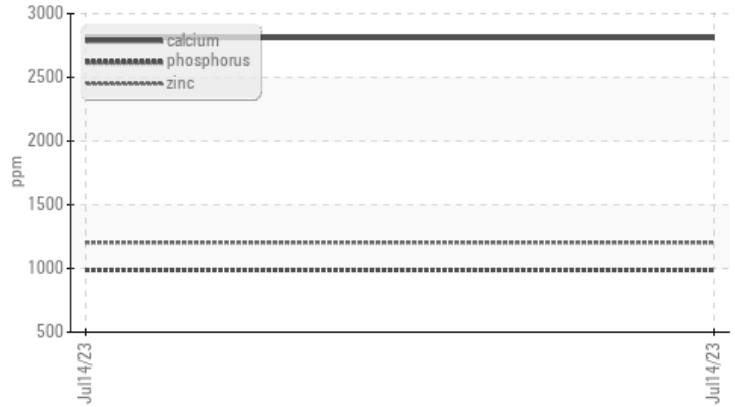


COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



▲ Additives



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status		ATTENTION		---	---
Boron	ppm	ASTM D5185m	▲ 23	---	---
Magnesium	ppm	ASTM D5185m	▲ 19	---	---
Calcium	ppm	ASTM D5185m	▲ 2810	---	---
Phosphorus	ppm	ASTM D5185m	▲ 988	---	---
Zinc	ppm	ASTM D5185m	▲ 1203	---	---
Sulfur	ppm	ASTM D5185m	▲ 7550	---	---
Visc @ 40°C	cSt	ASTM D445	45.6	▲ 111	---

Customer Id: CONLINNE
 Sample No.: SBP0004556
 Lab Number: 05900833
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



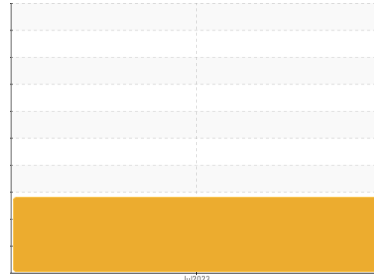
OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Machine Id
CATERPILLAR RM-500 06-0981 (S/N 0MB900148)
 Component
Front Left Final Drive
 Fluid
MOBIL DTE 10 EXCEL 46 (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	SBP0004556	---	---
Sample Date	Client Info	14 Jul 2023	---	---
Machine Age	hrs Client Info	3009	---	---
Oil Age	hrs Client Info	533	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>800	36	---	---
Chromium ppm ASTM D5185m	>10	<1	---	---
Nickel ppm ASTM D5185m	>5	0	---	---
Titanium ppm ASTM D5185m	>15	<1	---	---
Silver ppm ASTM D5185m	>2	0	---	---
Aluminum ppm ASTM D5185m	>75	2	---	---
Lead ppm ASTM D5185m	>10	<1	---	---
Copper ppm ASTM D5185m	>75	2	---	---
Tin ppm ASTM D5185m	>8	0	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		▲ 23	---	---
Barium ppm ASTM D5185m		0	---	---
Molybdenum ppm ASTM D5185m		<1	---	---
Manganese ppm ASTM D5185m		<1	---	---
Magnesium ppm ASTM D5185m		▲ 19	---	---
Calcium ppm ASTM D5185m		▲ 2810	---	---
Phosphorus ppm ASTM D5185m		▲ 988	---	---
Zinc ppm ASTM D5185m		▲ 1203	---	---
Sulfur ppm ASTM D5185m		▲ 7550	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>400	6	---	---
Sodium ppm ASTM D5185m		0	---	---
Potassium ppm ASTM D5185m	>20	2	---	---

VISUAL

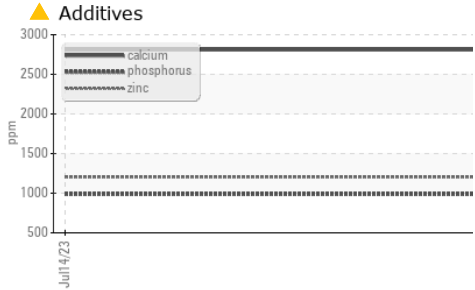
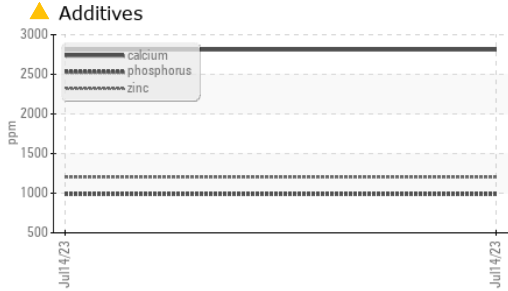
method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	NONE	---	---
Debris scalar *Visual	NONE	NONE	---	---
Sand/Dirt scalar *Visual	NONE	NONE	---	---
Appearance scalar *Visual	NORML	NORML	---	---
Odor scalar *Visual	NORML	NORML	---	---
Emulsified Water scalar *Visual	>0.2	NEG	---	---
Free Water scalar *Visual		NEG	---	---

FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	45.6	▲ 111	---	---

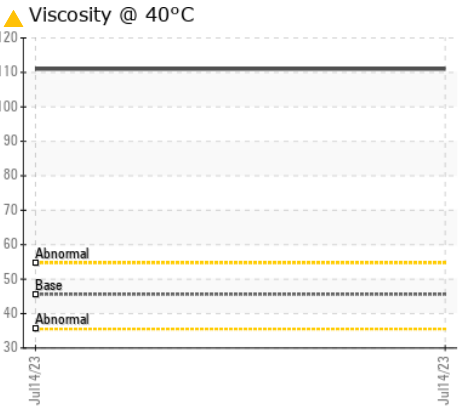
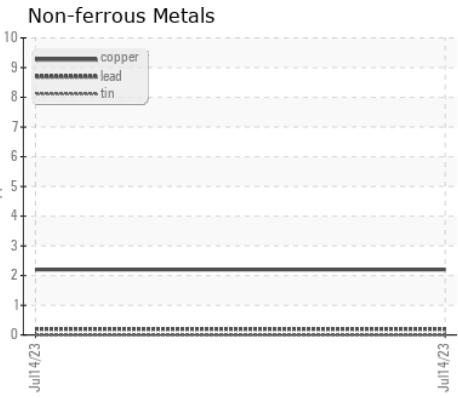
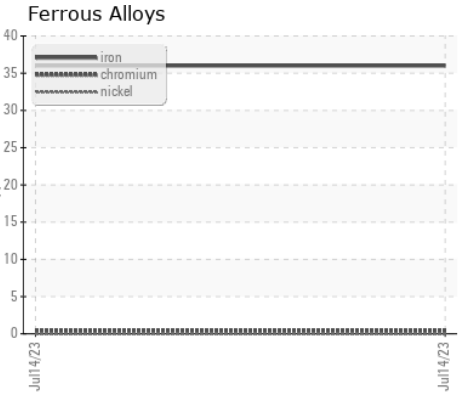


OIL ANALYSIS REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0004556 **Received** : 17 Jul 2023
Lab Number : 05900833 **Diagnosed** : 19 Jul 2023
Unique Number : 10562189 **Diagnostician** : Doug Bogart
Test Package : FLEET

Constructors Inc. - 603659
 1815 Y Street
 Lincoln, NE
 US 68508
 Contact: Jack Linhart
 jackl@constructorslincoln.com
 T: (402)434-2157
 F:

Certificate L2367
 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)