



PROBLEM SUMMARY



Area
COLORADO/443
 Machine Id
53.175L [COLORADO^443]
 Component
Right Final Drive
 Fluid
MOBIL MOBILUBE HD PLUS 85W140 (--- GAL)

Sample Rating Trend

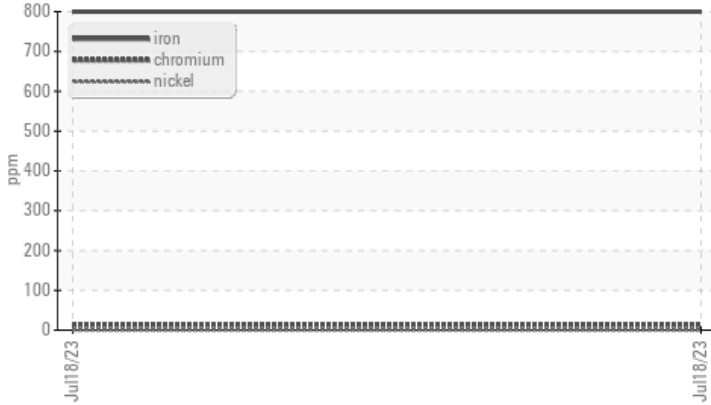


WEAR



COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



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.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>800	▲ 800	---	---
Chromium	ppm	ASTM D5185m	>10	▲ 13	---	---

Customer Id: SHEWIC
 Sample No.: WC0823198
 Lab Number: 05905054
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Sean Felton +1 919-379-4092
sfelton@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



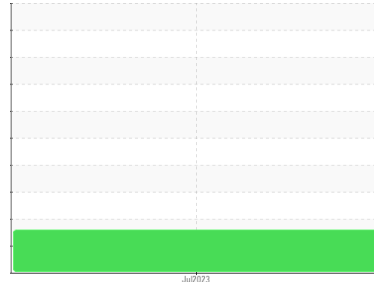
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area
COLORADO/443
Machine Id
53.175L [COLORADO^443]
Component
Right Final Drive
Fluid
MOBIL MOBILUBE HD PLUS 85W140 (--- GAL)



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

Gear wear is indicated.

Contamination

There is no indication of any contamination 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	WC0823198	---	---
Sample Date	Client Info	18 Jul 2023	---	---
Machine Age	hrs Client Info	454	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>800	▲ 800	---	---
Chromium ppm ASTM D5185m	>10	▲ 13	---	---
Nickel ppm ASTM D5185m	>5	<1	---	---
Titanium ppm ASTM D5185m	>15	<1	---	---
Silver ppm ASTM D5185m	>2	<1	---	---
Aluminum ppm ASTM D5185m	>75	4	---	---
Lead ppm ASTM D5185m	>10	1	---	---
Copper ppm ASTM D5185m	>75	8	---	---
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		208	---	---
Barium ppm ASTM D5185m		21	---	---
Molybdenum ppm ASTM D5185m		<1	---	---
Manganese ppm ASTM D5185m		8	---	---
Magnesium ppm ASTM D5185m		<1	---	---
Calcium ppm ASTM D5185m		21	---	---
Phosphorus ppm ASTM D5185m		1324	---	---
Zinc ppm ASTM D5185m		51	---	---
Sulfur ppm ASTM D5185m		27601	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>400	7	---	---
Sodium ppm ASTM D5185m		14	---	---
Potassium ppm ASTM D5185m	>20	5	---	---

VISUAL

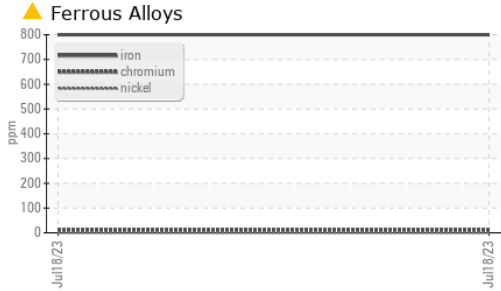
method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	NONE	---	---
Debris scalar *Visual	NONE	NONE	---	---
Sand/Dirt scalar *Visual	NONE	NONE	---	---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

FLUID PROPERTIES

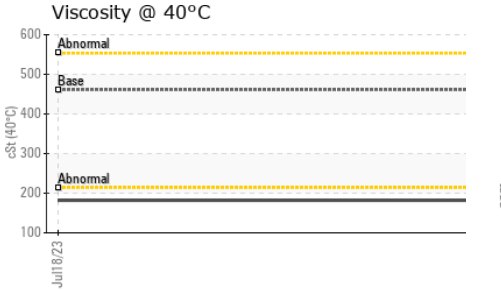
method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	461	182	---	---



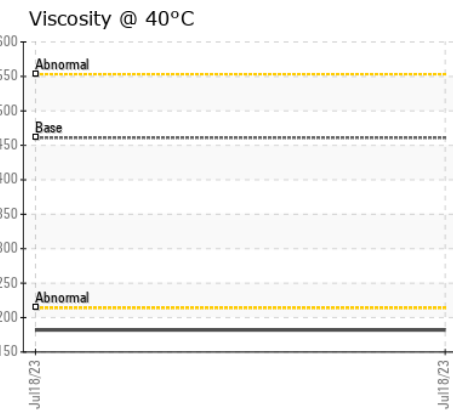
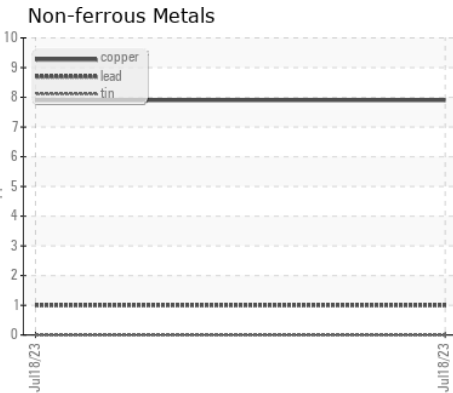
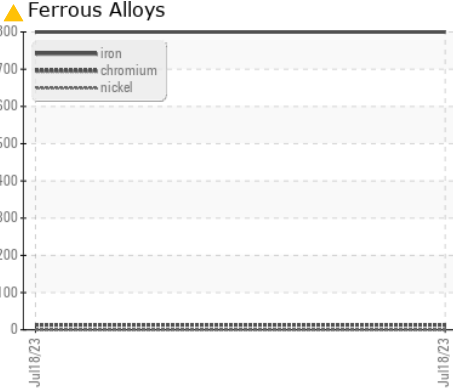
OIL ANALYSIS REPORT



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



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0823198 **Received** : 21 Jul 2023
Lab Number : 05905054 **Diagnosed** : 25 Jul 2023
Unique Number : 10566410 **Diagnostician** : Sean Felton
Test Package : CONST

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 US 67213
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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)