

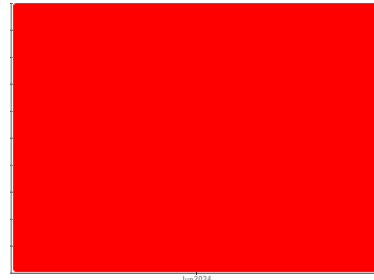


PROBLEM SUMMARY



Area
OKLAHOMA/102/EG - SCRAPER
 Machine Id
76.31L [OKLAHOMA^102^EG - SCRAPER]
 Component
Rear Right Wheel Bearing
 Fluid
MOBIL MOBILUBE HD 85W140 (--- GAL)

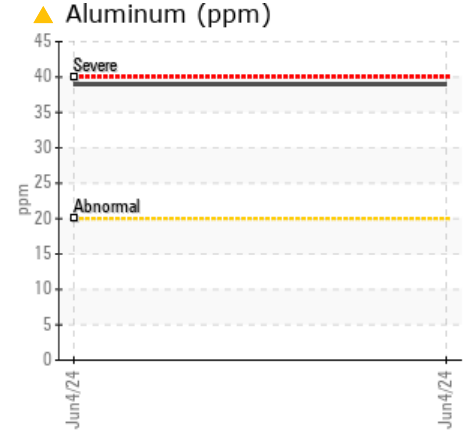
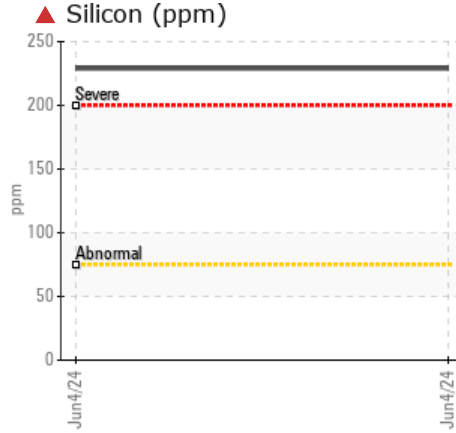
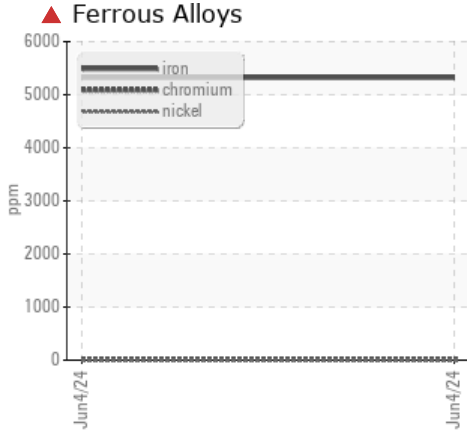
Sample Rating Trend



WEAR



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m	>100	▲ 5322	---	---
Aluminum	ppm	ASTM D5185m	>20	▲ 39	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 229	---	---

Customer Id: SHEWIC
 Sample No.: WC0918087
 Lab Number: 06209025
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Angela Borella +1 800-237-1369
angela.borella@wearcheckusa.com

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Flush System	---	---	?	We advise that you flush the component thoroughly before re-filling with oil.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

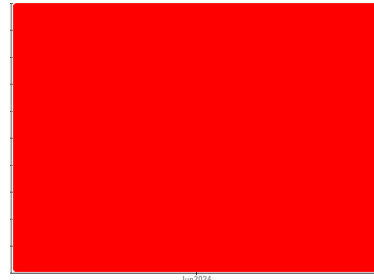
HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Area
OKLAHOMA/102/EG - SCRAPER
 Machine Id
76.31L [OKLAHOMA^102^EG - SCRAPER]
 Component
Rear Right Wheel Bearing
 Fluid
MOBIL MOBILUBE HD 85W140 (--- GAL)

Sample Rating Trend



WEAR



DIAGNOSIS

▲ Recommendation

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

▲ Wear

Iron ppm levels are severe. Aluminum ppm levels are abnormal. Bearing and/or gear wear is indicated.

▲ Contamination

High concentration of dirt present in the oil.

Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0918087	---	---
Sample Date	Client Info		04 Jun 2024	---	---
Machine Age	hrs	Client Info	15147	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			SEVERE	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	▲ 5322	---	---
Chromium	ppm	ASTM D5185m >20	12	---	---
Nickel	ppm	ASTM D5185m >10	5	---	---
Titanium	ppm	ASTM D5185m >5	3	---	---
Silver	ppm	ASTM D5185m >2	0	---	---
Aluminum	ppm	ASTM D5185m >20	▲ 39	---	---
Lead	ppm	ASTM D5185m >50	0	---	---
Copper	ppm	ASTM D5185m >50	8	---	---
Tin	ppm	ASTM D5185m >20	2	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	180	---	---
Barium	ppm	ASTM D5185m	<1	---	---
Molybdenum	ppm	ASTM D5185m	2	---	---
Manganese	ppm	ASTM D5185m	46	---	---
Magnesium	ppm	ASTM D5185m	21	---	---
Calcium	ppm	ASTM D5185m	145	---	---
Phosphorus	ppm	ASTM D5185m	1026	---	---
Zinc	ppm	ASTM D5185m	59	---	---
Sulfur	ppm	ASTM D5185m	34722	---	---

CONTAMINANTS

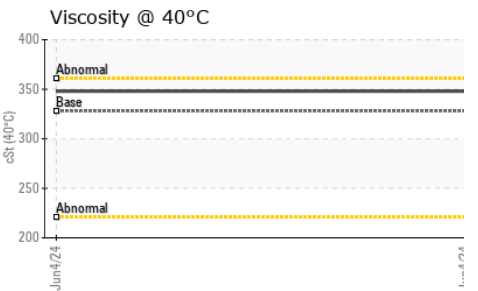
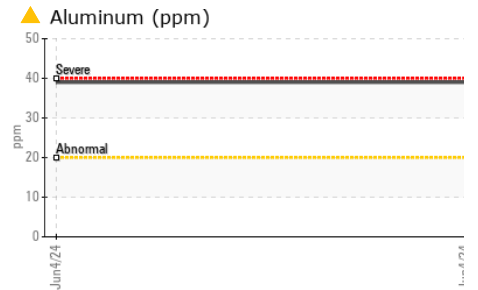
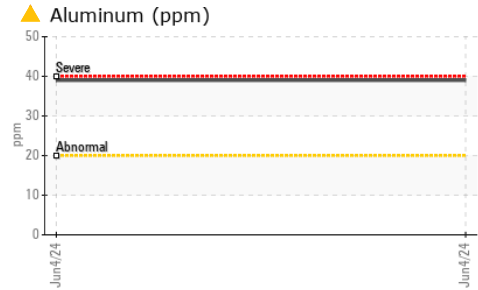
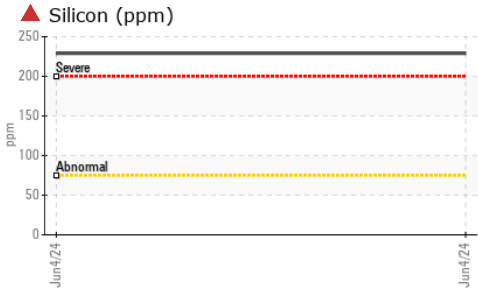
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	▲ 229	---	---
Sodium	ppm	ASTM D5185m	13	---	---
Potassium	ppm	ASTM D5185m >20	11	---	---

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 >0.1	NEG	---	---
Free Water	scalar	*Visual	NEG	---	---



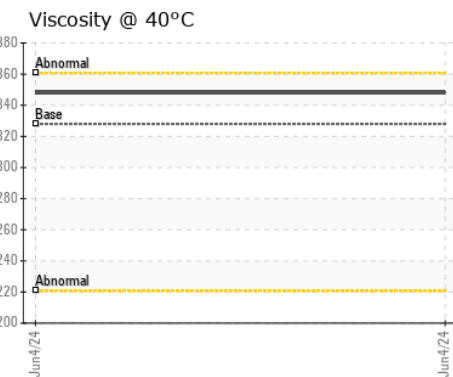
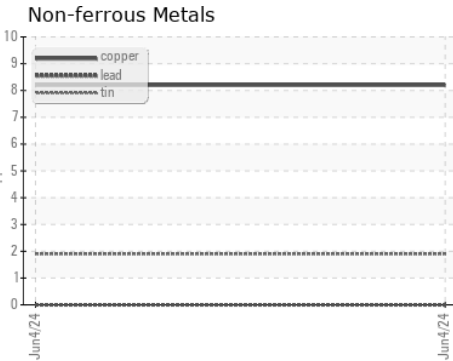
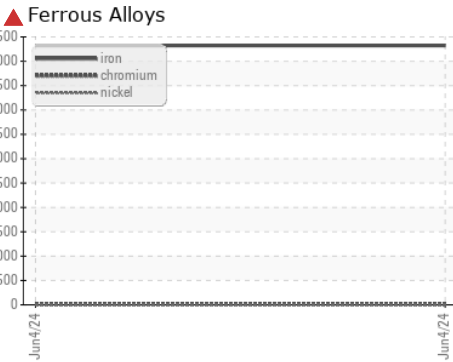
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	328	348	---	---

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. : WC0918087
Lab Number : 06209025
Unique Number : 11076486
Test Package : CONST

Received : 13 Jun 2024
Tested : 14 Jun 2024
Diagnosed : 14 Jun 2024 - Angela Borella

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213

Contact: JIMMY DERAMUS
 jimmy.deramus@sherwood.net
 T: (918)691-3306

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)

F: x: