

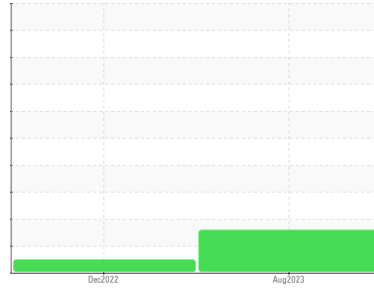


PROBLEM SUMMARY



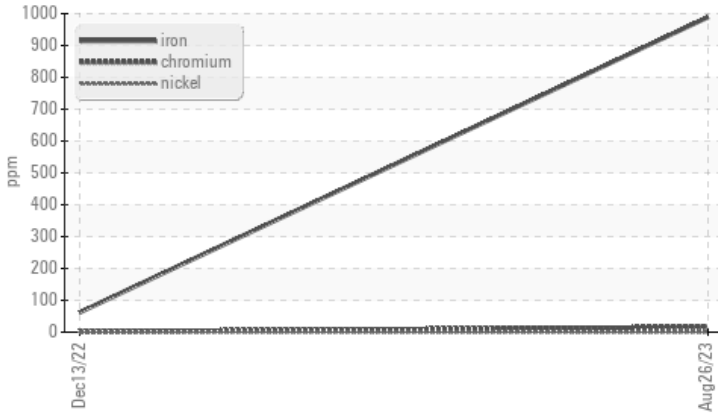
Area
COLORADO/443/SKIDSTEER
 Machine Id
53.173L [COLORADO^443^SKIDSTEER]
 Component
Rear Left Final Drive
 Fluid
MOBIL MOBILUBE SHC 75W140 (--- GAL)

Sample Rating Trend



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	NORMAL	---
Iron	ppm	ASTM D5185m	>800	▲ 989	62	---
Chromium	ppm	ASTM D5185m	>10	▲ 16	2	---

Customer Id: SHEWIC
 Sample No.: WC0823099
 Lab Number: 05939373
 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

13 Dec 2022 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.

view report





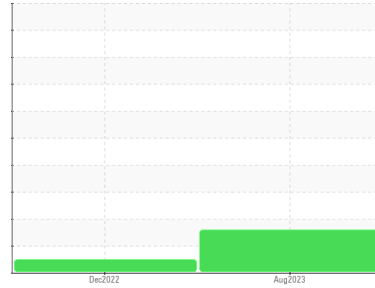
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area
COLORADO/443/SKIDSTEER
 Machine Id
53.173L [COLORADO^443^SKIDSTEER]
 Component
Rear Left Final Drive
 Fluid
MOBIL MOBILUBE SHC 75W140 (--- 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		WC0823099	WC0741774	---
Sample Date	Client Info		26 Aug 2023	13 Dec 2022	---
Machine Age	hrs	Client Info	752	3	---
Oil Age	hrs	Client Info	0	3	---
Oil Changed	Client Info		Changed	Not Changd	---
Sample Status			ABNORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	▲ 989	62	---
Chromium	ppm	ASTM D5185m >10	▲ 16	2	---
Nickel	ppm	ASTM D5185m >5	0	<1	---
Titanium	ppm	ASTM D5185m >15	<1	0	---
Silver	ppm	ASTM D5185m >2	0	0	---
Aluminum	ppm	ASTM D5185m >75	7	2	---
Lead	ppm	ASTM D5185m >10	1	<1	---
Copper	ppm	ASTM D5185m >75	6	<1	---
Tin	ppm	ASTM D5185m >8	<1	2	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	153	235	---
Barium	ppm	ASTM D5185m	16	6	---
Molybdenum	ppm	ASTM D5185m	0	<1	---
Manganese	ppm	ASTM D5185m	9	2	---
Magnesium	ppm	ASTM D5185m	2	2	---
Calcium	ppm	ASTM D5185m	48	15	---
Phosphorus	ppm	ASTM D5185m	1303	1341	---
Zinc	ppm	ASTM D5185m	112	12	---
Sulfur	ppm	ASTM D5185m	30156	25056	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	11	2	---
Sodium	ppm	ASTM D5185m	16	15	---
Potassium	ppm	ASTM D5185m >20	8	5	---

VISUAL

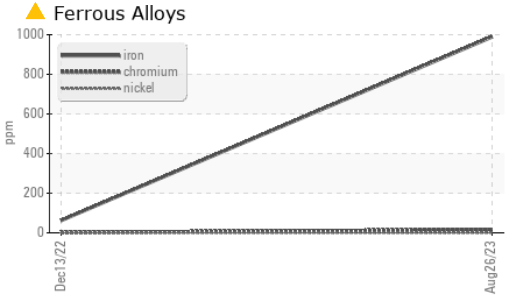
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	LIGHT	---
Debris	scalar	*Visual NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE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

FLUID PROPERTIES

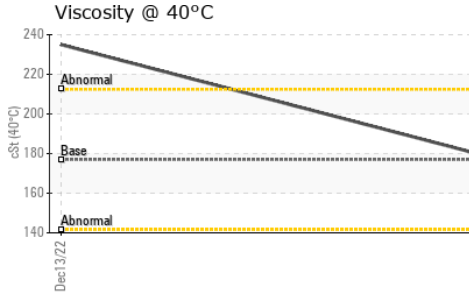
	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 177	178	235	---



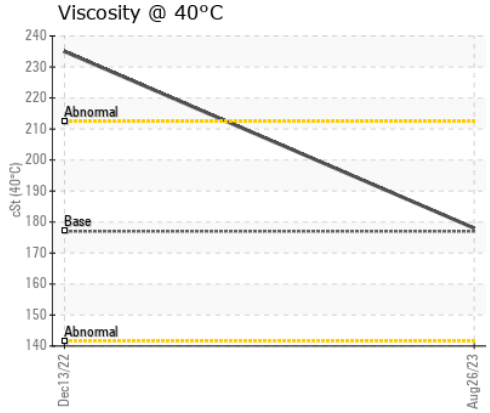
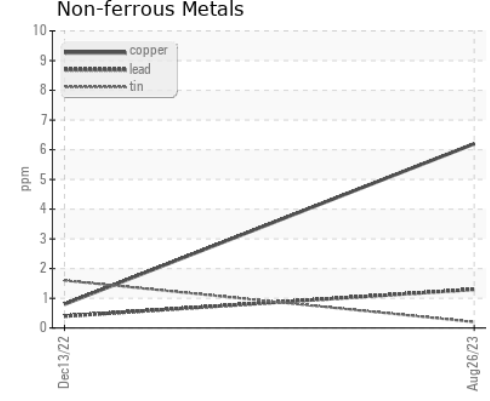
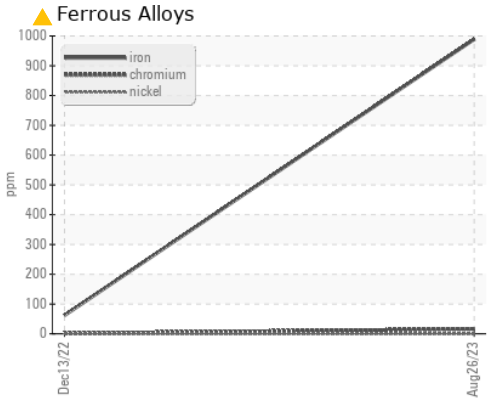
OIL ANALYSIS REPORT



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. : WC0823099 **Received** : 30 Aug 2023
Lab Number : 05939373 **Diagnosed** : 01 Sep 2023
Unique Number : 10629985 **Diagnostician** : Sean Felton
Test Package : CONST

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 WICHITA, KS
 US 67213
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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)