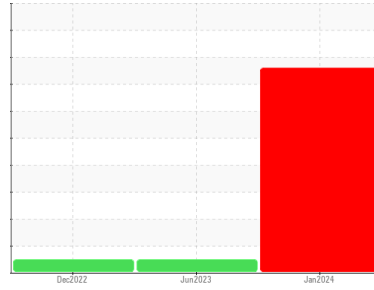




PROBLEM SUMMARY

Sample Rating Trend



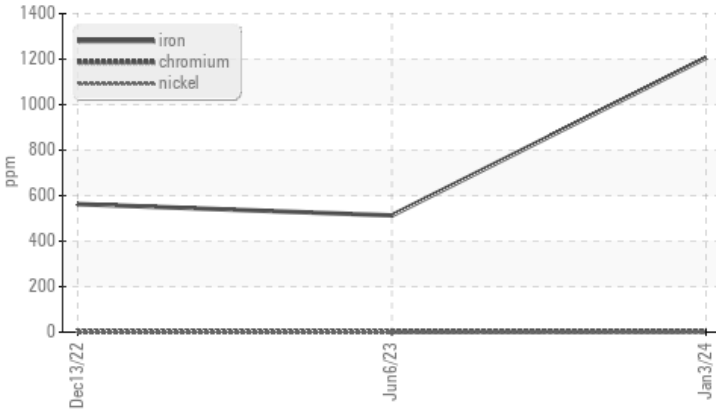
WEAR



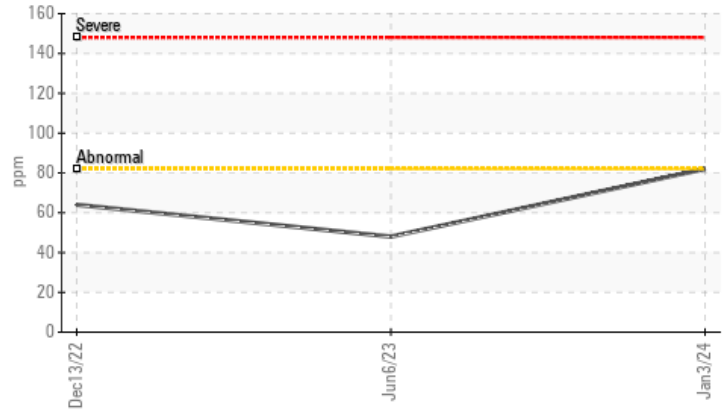
Machine Id
53.170L []
 Component
Right Chain Case
 Fluid
MOBIL MOBILTRANS AST 30 (--- GAL)

COMPONENT CONDITION SUMMARY

Ferrous Alloys



Silicon (ppm)



RECOMMENDATION

The oil change at the time of sampling has been noted. 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	NORMAL	NORMAL	
Iron	ppm	ASTM D5185m	>632	1206	513	563
Silicon	ppm	ASTM D5185m	>82	82	48	64

Customer Id: SHEWIC
 Sample No.: WC0873975
 Lab Number: 06061565
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

06 Jun 2023 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. The condition of the oil is acceptable for the time in service.

[view report](#)



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

[view report](#)





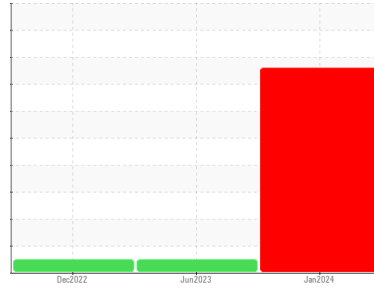
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
53.170L []
 Component
Right Chain Case
 Fluid
MOBIL MOBILTRANS AST 30 (--- GAL)



DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

Gear wear is indicated.

Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

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		WC0873975	WC0800860	WC0741823
Sample Date	Client Info		03 Jan 2024	06 Jun 2023	13 Dec 2022
Machine Age	hrs	Client Info	2023	1416	703
Oil Age	hrs	Client Info	1000	1416	703
Oil Changed	Client Info		Changed	Not Changd	Not Changd
Sample Status			SEVERE	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >632	1206	513	563
Chromium	ppm	ASTM D5185m >3	2	2	1
Nickel	ppm	ASTM D5185m >3	<1	0	<1
Titanium	ppm	ASTM D5185m	1	<1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >19	4	6	3
Lead	ppm	ASTM D5185m >6	0	0	1
Copper	ppm	ASTM D5185m >46	4	2	4
Tin	ppm	ASTM D5185m >3	0	<1	3
Vanadium	ppm	ASTM D5185m	0	0	<1
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	62	49	68
Barium	ppm	ASTM D5185m	48	50	76
Molybdenum	ppm	ASTM D5185m	40	27	41
Manganese	ppm	ASTM D5185m	13	6	7
Magnesium	ppm	ASTM D5185m	455	324	521
Calcium	ppm	ASTM D5185m	1609	1125	1701
Phosphorus	ppm	ASTM D5185m	856	649	994
Zinc	ppm	ASTM D5185m	1110	795	1246
Sulfur	ppm	ASTM D5185m	3027	2479	4317

CONTAMINANTS

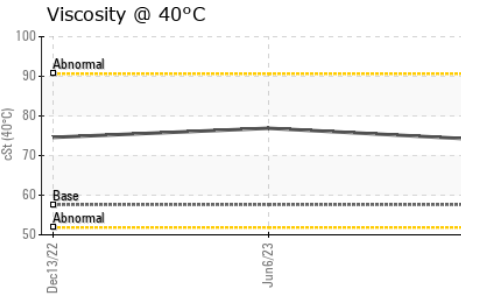
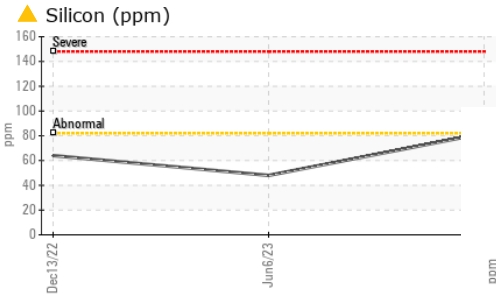
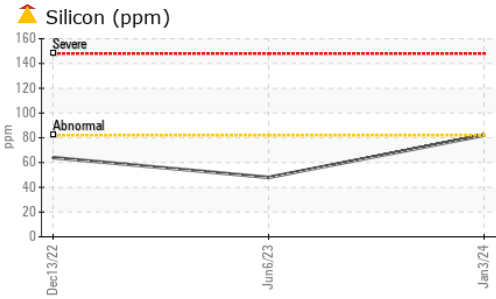
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >82	82	48	64
Sodium	ppm	ASTM D5185m	6	3	5
Potassium	ppm	ASTM D5185m >20	8	3	6

VISUAL

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



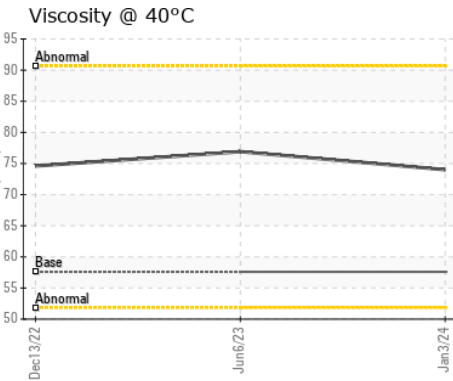
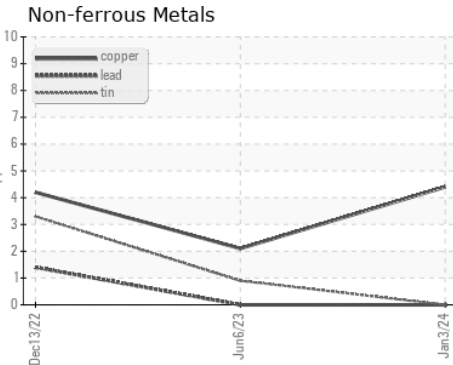
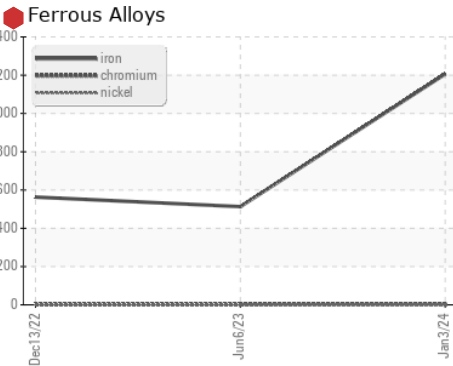
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.6	74.0	76.9	74.6

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. : WC0873975 **Received** : 16 Jan 2024
Lab Number : **06061565** **Diagnosed** : 17 Jan 2024
Unique Number : 10832947 **Diagnostician** : Don Baldrige
Test Package : CONST

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: SHAWN SOUTH
 shawn.south@sherwood.net

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: x:

F: x: