



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**KANSAS/44**  
Machine Id  
**53.162L [KANSAS^44]**  
Component  
**Left Chain Case**  
Fluid  
**MOBIL MOBILTRANS HD 50 (3 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0821593</b>	WC0673492	---
Sample Date		Client Info		<b>12 Feb 2024</b>	28 Mar 2023	---
Machine Age	hrs	Client Info		<b>1398</b>	960	---
Oil Age	hrs	Client Info		<b>1398</b>	960	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	---
Filter Changed		Client Info		<b>Not Chngd</b>	N/A	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>632	<b>219</b>	167	---
Chromium	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>19	<b>&lt;1</b>	2	---
Lead	ppm	ASTM D5185m	>6	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>46	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	▲ HEAVY	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

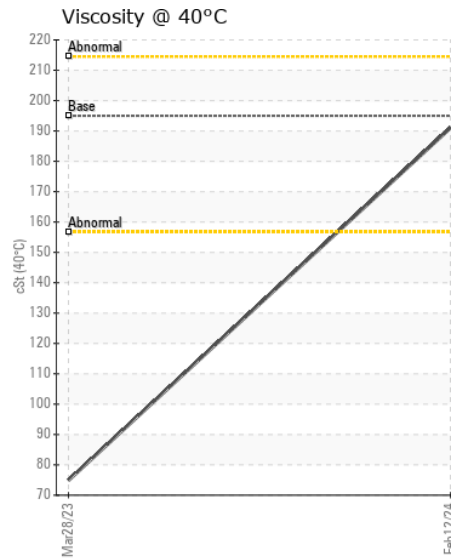
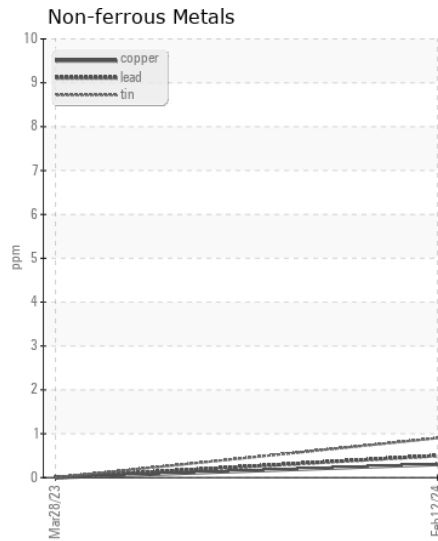
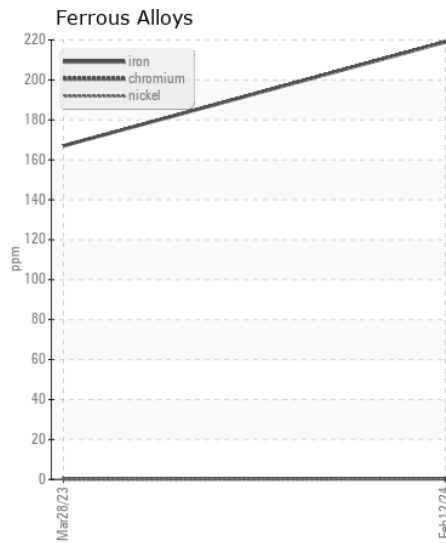
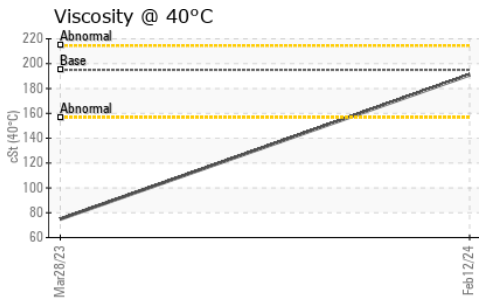
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>82	<b>20</b>	39	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>MODER</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>1</b>	2	---
Boron	ppm	ASTM D5185m		<b>4</b>	66	---
Barium	ppm	ASTM D5185m		<b>0</b>	29	---
Molybdenum	ppm	ASTM D5185m		<b>1</b>	38	---
Manganese	ppm	ASTM D5185m		<b>2</b>	3	---
Magnesium	ppm	ASTM D5185m		<b>18</b>	500	---
Calcium	ppm	ASTM D5185m		<b>2896</b>	1641	---
Phosphorus	ppm	ASTM D5185m		<b>1006</b>	894	---
Zinc	ppm	ASTM D5185m		<b>1238</b>	1146	---
Sulfur	ppm	ASTM D5185m		<b>6342</b>	3417	---
Visc @ 40°C	cSt	ASTM D445	195	<b>191</b>	74.9	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0821593  
**Lab Number** : 06097301  
**Unique Number** : 10890154  
**Test Package** : CONST

**Received** : 22 Feb 2024  
**Tested** : 23 Feb 2024  
**Diagnosed** : 23 Feb 2024 - Wes Davis

**SHERWOOD CONSTRUCTION CO INC**  
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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)