



# OIL ANALYSIS REPORT

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



Area  
**KANSAS/44**  
Machine Id  
**53.168L [KANSAS^44]**  
Component  
**Left Final Drive**  
Fluid  
**MOBIL MOBILTRANS HD 50 (0 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0918162</b>	WC0630432	---
Sample Date		Client Info		<b>08 Apr 2024</b>	15 Feb 2022	---
Machine Age	hrs	Client Info		<b>2010</b>	506	---
Oil Age	hrs	Client Info		<b>2010</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	<b>589</b>	206	---
Chromium	ppm	ASTM D5185m	>10	<b>10</b>	3	---
Nickel	ppm	ASTM D5185m	>5	<b>2</b>	<1	---
Titanium	ppm	ASTM D5185m	>15	<b>2</b>	<1	---
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185m	>75	<b>16</b>	4	---
Lead	ppm	ASTM D5185m	>10	<b>1</b>	<1	---
Copper	ppm	ASTM D5185m	>75	<b>4</b>	4	---
Tin	ppm	ASTM D5185m	>8	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

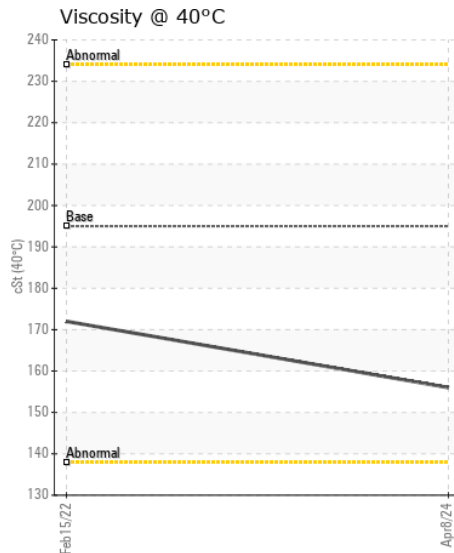
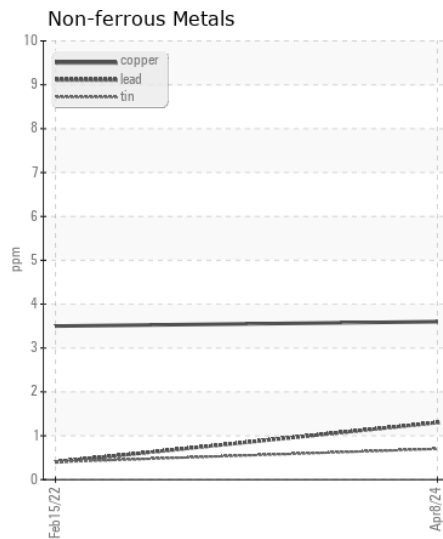
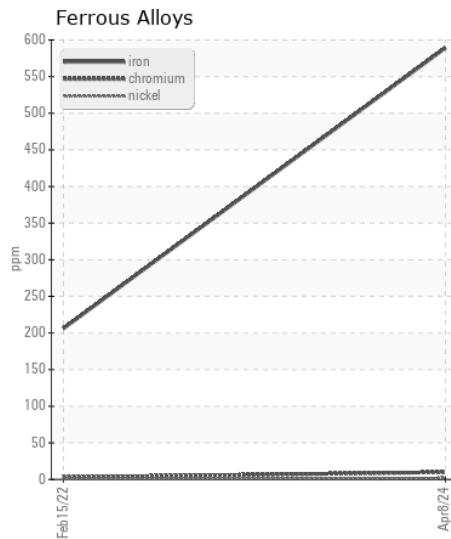
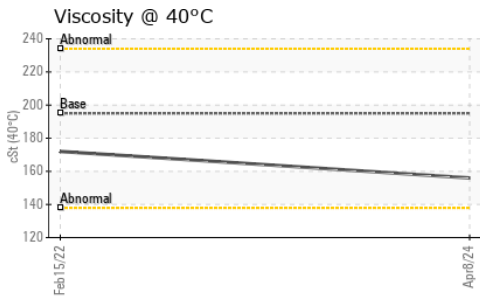
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	<b>90</b>	9	---
Potassium	ppm	ASTM D5185m	>20	<b>11</b>	4	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</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>8</b>	7	---
Boron	ppm	ASTM D5185m		<b>199</b>	230	---
Barium	ppm	ASTM D5185m		<b>4</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>6</b>	2	---
Magnesium	ppm	ASTM D5185m		<b>12</b>	2	---
Calcium	ppm	ASTM D5185m		<b>2334</b>	51	---
Phosphorus	ppm	ASTM D5185m		<b>1318</b>	1424	---
Zinc	ppm	ASTM D5185m		<b>1003</b>	27	---
Sulfur	ppm	ASTM D5185m		<b>10710</b>	21530	---
Visc @ 40°C	cSt	ASTM D445	195	<b>156</b>	172	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0918162  
**Lab Number** : 06152399  
**Unique Number** : 10982477  
**Test Package** : CONST

**Received** : 17 Apr 2024  
**Tested** : 18 Apr 2024  
**Diagnosed** : 22 Apr 2024 - Don Baldrige

**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)