



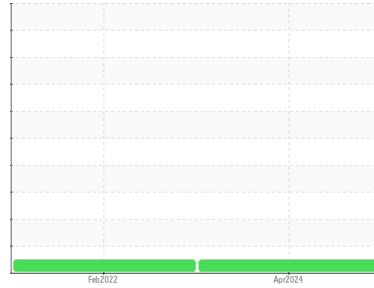
# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



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



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### 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		<b>WC0918161</b>	WC0630433	---
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	---
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>800	<b>730</b>	142	---
Chromium	ppm	ASTM D5185m	>10	<b>12</b>	2	---
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>20</b>	2	---
Lead	ppm	ASTM D5185m	>10	<b>1</b>	<1	---
Copper	ppm	ASTM D5185m	>75	<b>4</b>	1	---
Tin	ppm	ASTM D5185m	>8	<b>&lt;1</b>	<1	---
Antimony	ppm	ASTM D5185m	>50	<b>---</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>1</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>193</b>	235	---
Barium	ppm	ASTM D5185m		<b>3</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>6</b>	1	---
Magnesium	ppm	ASTM D5185m		<b>12</b>	<1	---
Calcium	ppm	ASTM D5185m		<b>2068</b>	14	---
Phosphorus	ppm	ASTM D5185m		<b>1360</b>	1422	---
Zinc	ppm	ASTM D5185m		<b>905</b>	14	---
Sulfur	ppm	ASTM D5185m		<b>12008</b>	21779	---

## CONTAMINANTS

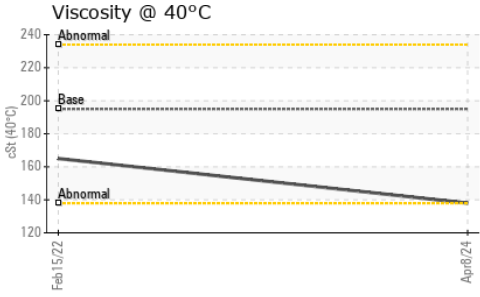
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>400	<b>115</b>	4	---
Sodium	ppm	ASTM D5185m		<b>8</b>	6	---
Potassium	ppm	ASTM D5185m	>20	<b>13</b>	3	---

## VISUAL

	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---



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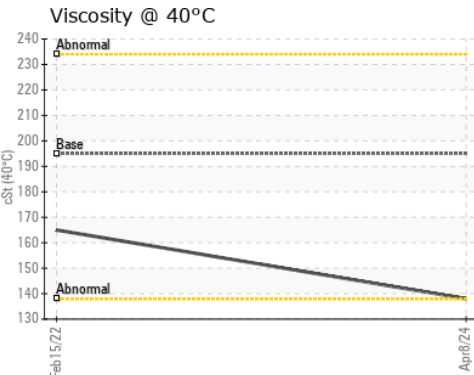
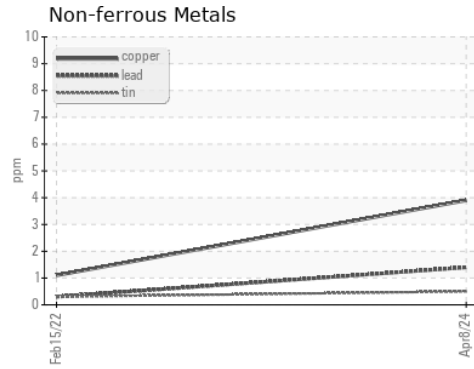
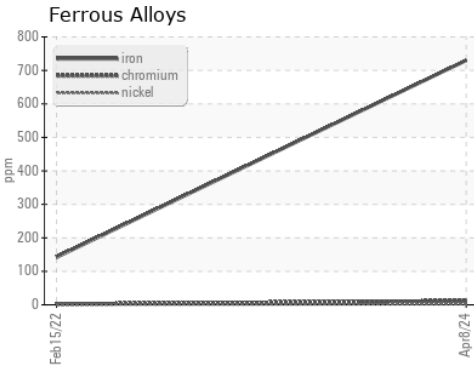
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	195	<b>138</b>	165

### SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0918161      **Received** : 17 Apr 2024  
**Lab Number** : **06152402**      **Tested** : 18 Apr 2024  
**Unique Number** : 10982480      **Diagnosed** : 22 Apr 2024 - Don Baldrige  
**Test Package** : CONST

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS 67213  
 Contact: RANDY ROBERTS  
 randy.roberts@sherwood.net  
 T: (316)943-6491  
 F: x:

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)