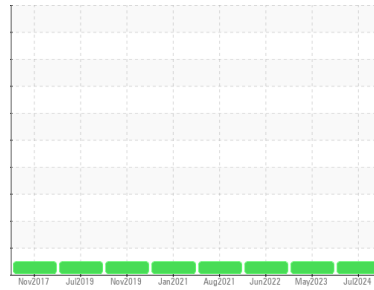




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**KANSAS/44/EG - TRUCK-OFF-HWY-HEAVY HAUL**  
 Machine Id  
**69.98L [KANSAS^44^EG - TRUCK-OFF-HWY-HEAVY HAUL]**  
 Component  
**Rear Right Final Drive**  
 Fluid  
**MOBIL MOBILTRANS HD 50 (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: 7900 hours )

#### 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>WC0925175</b>	WC0781143	WC0702216
Sample Date	Client Info	<b>08 Jul 2024</b>	16 May 2023	08 Jun 2022
Machine Age	hrs	<b>7900</b>	7081	6600
Oil Age	hrs	<b>6120</b>	6120	500
Oil Changed	Client Info	<b>N/A</b>	N/A	Not Changd
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

### CONTAMINATION

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

### WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >800	<b>10</b>	27	21
Chromium	ppm ASTM D5185m >10	<b>0</b>	0	<1
Nickel	ppm ASTM D5185m >5	<b>&lt;1</b>	0	0
Titanium	ppm ASTM D5185m >15	<b>0</b>	<1	<1
Silver	ppm ASTM D5185m >2	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >75	<b>2</b>	1	3
Lead	ppm ASTM D5185m >10	<b>&lt;1</b>	0	<1
Copper	ppm ASTM D5185m >75	<b>8</b>	9	6
Tin	ppm ASTM D5185m >8	<b>0</b>	0	0
Antimony	ppm ASTM D5185m >50	<b>---</b>	---	---
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

### ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>0</b>	6	13
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>1</b>	2	2
Manganese	ppm ASTM D5185m	<b>0</b>	<1	<1
Magnesium	ppm ASTM D5185m	<b>26</b>	25	23
Calcium	ppm ASTM D5185m	<b>3162</b>	3046	2800
Phosphorus	ppm ASTM D5185m	<b>1158</b>	985	950
Zinc	ppm ASTM D5185m	<b>1385</b>	1231	1159
Sulfur	ppm ASTM D5185m	<b>12940</b>	11551	10078

### CONTAMINANTS

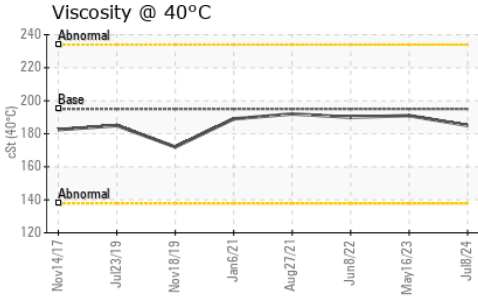
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >400	<b>4</b>	8	8
Sodium	ppm ASTM D5185m	<b>2</b>	2	0
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	0	2

### VISUAL

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



# OIL ANALYSIS REPORT

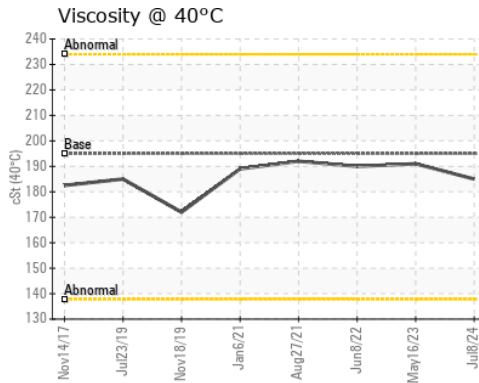
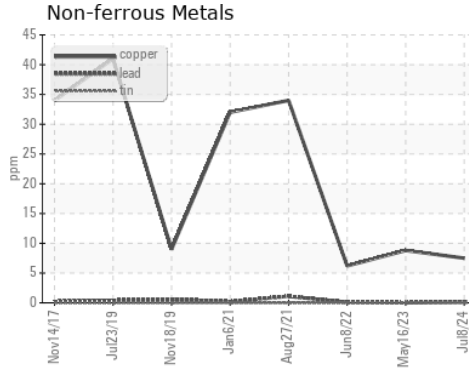
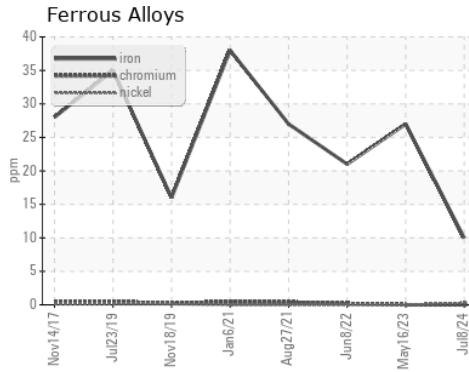


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	195	<b>185</b>	191	190

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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.** : WC0925175  
**Lab Number** : **06237148**  
**Unique Number** : 11125982  
**Test Package** : CONST

**Received** : 15 Jul 2024  
**Tested** : 17 Jul 2024  
**Diagnosed** : 17 Jul 2024 - Don Baldrige

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: DOUG KING  
 doug.king@sherwood.net  
 T: (316)617-3161  
 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)