

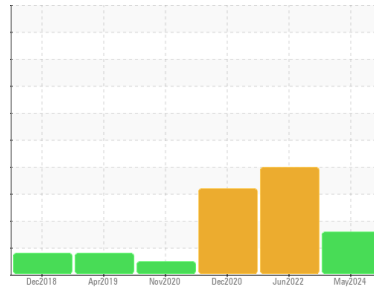


# OIL ANALYSIS REPORT



Area  
**KANSAS/44/EG - OTHER SERVICE**  
 Machine Id  
**53.122L [KANSAS^44^EG - OTHER SERVICE]**  
 Component  
**Left Final Drive**  
 Fluid  
**MOBIL MOBILUBE HD 85W140 (--- GAL)**

Sample Rating Trend



## DIAGNOSIS

### Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

Gear wear is indicated.

### 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>WC0918353</b>	WC0670339	WC0528194
Sample Date	Client Info		<b>29 May 2024</b>	08 Jun 2022	11 Dec 2020
Machine Age	hrs	Client Info	<b>5422</b>	6600	3918
Oil Age	hrs	Client Info	<b>0</b>	400	0
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## 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>▲ 1497</b>	▲ 1344	▲ 708
Chromium	ppm	ASTM D5185m	>10	<b>▲ 13</b>	▲ 14	7
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	0	<1
Titanium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	2	1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>75	<b>13</b>	19	27
Lead	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>75	<b>2</b>	3	1
Tin	ppm	ASTM D5185m	>8	<b>&lt;1</b>	0	0
Antimony	ppm	ASTM D5185m	>50	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>104</b>	79	186
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	3	0
Manganese	ppm	ASTM D5185m		<b>13</b>	11	6
Magnesium	ppm	ASTM D5185m		<b>6</b>	21	12
Calcium	ppm	ASTM D5185m		<b>92</b>	2005	63
Phosphorus	ppm	ASTM D5185m		<b>1197</b>	973	1257
Zinc	ppm	ASTM D5185m		<b>44</b>	776	28
Sulfur	ppm	ASTM D5185m		<b>30129</b>	12323	18652

## CONTAMINANTS

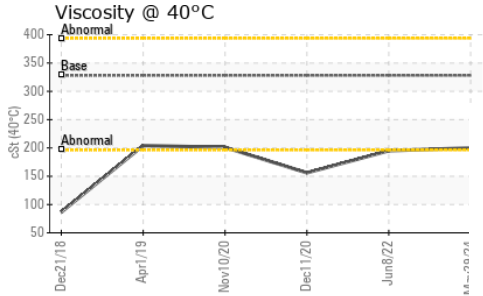
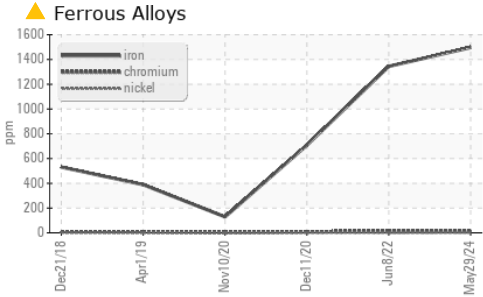
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>400	<b>95</b>	▲ 165	▲ 120
Sodium	ppm	ASTM D5185m		<b>5</b>	1	3
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	8	9

## VISUAL

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



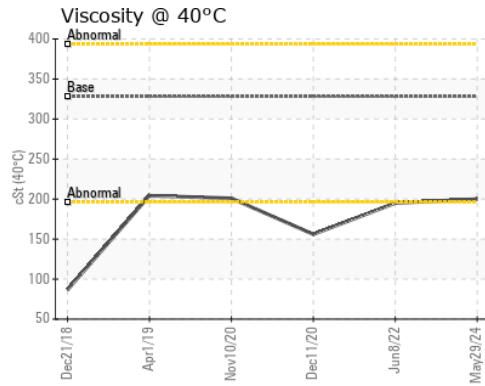
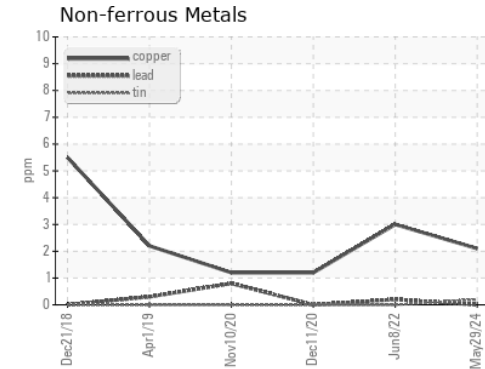
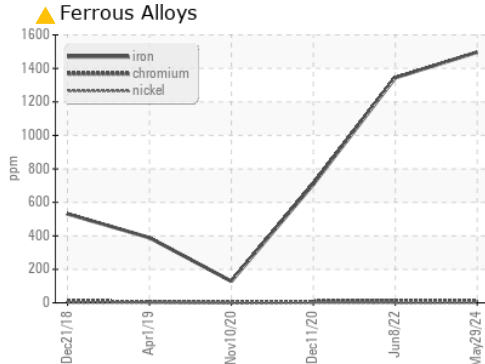
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 328	<b>200</b>	195	156

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.** : WC0918353  
**Lab Number** : **06205183**  
**Unique Number** : 11072644  
**Test Package** : CONST  
**Received** : 10 Jun 2024  
**Tested** : 12 Jun 2024  
**Diagnosed** : 12 Jun 2024 - Angela Borella

**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)