

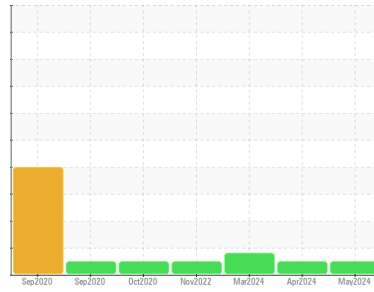


# OIL ANALYSIS REPORT



Area  
**KANSAS/44/EG - EXCAVATOR**  
 Machine Id  
**20.019L [KANSAS^44^EG - EXCAVATOR]**  
 Component  
**Right Final Drive**  
 Fluid  
**MOBIL MOBILUBE SHC 75W140 (--- GAL)**

Sample Rating Trend



**NORMAL**



## 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>WC0901161</b>	WC0918142	WC0833907
Sample Date	Client Info		<b>13 May 2024</b>	01 Apr 2024	05 Mar 2024
Machine Age	hrs	Client Info	<b>1796</b>	1063	951
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>NORMAL</b>	NORMAL	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>81</b>	456	▲ 1250
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	11	7
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	4	<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>2</b>	6	8
Lead	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>75	<b>1</b>	4	3
Tin	ppm	ASTM D5185m	>8	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>263</b>	179	121
Barium	ppm	ASTM D5185m		<b>0</b>	14	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	3	0
Manganese	ppm	ASTM D5185m		<b>1</b>	6	6
Magnesium	ppm	ASTM D5185m		<b>0</b>	4	0
Calcium	ppm	ASTM D5185m		<b>91</b>	408	61
Phosphorus	ppm	ASTM D5185m		<b>1800</b>	1405	1698
Zinc	ppm	ASTM D5185m		<b>31</b>	175	9
Sulfur	ppm	ASTM D5185m		<b>27928</b>	24362	28165

## CONTAMINANTS

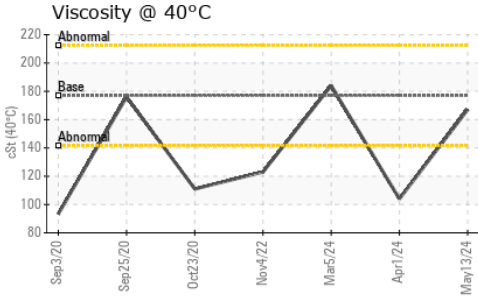
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>400	<b>15</b>	33	53
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	1	<1
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	4	4

## VISUAL

	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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



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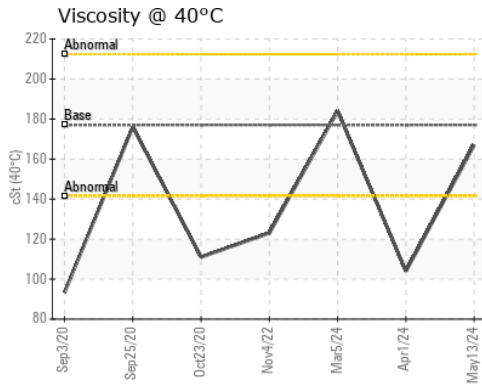
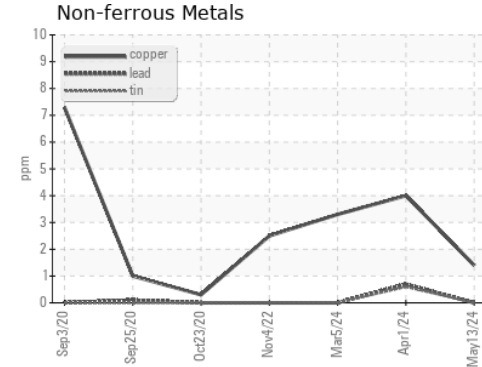
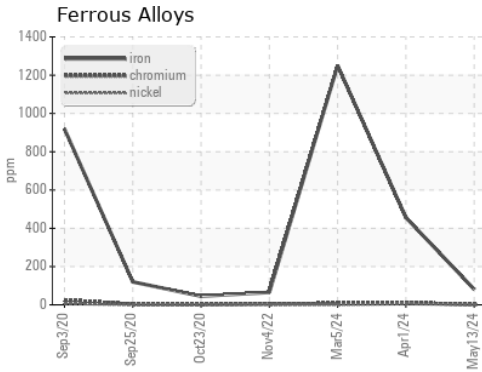
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	177	<b>167</b>	104	184
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS
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Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0901161  
**Lab Number** : 06183221  
**Unique Number** : 11034547  
**Test Package** : CONST

**Received** : 17 May 2024  
**Tested** : 20 May 2024  
**Diagnosed** : 20 May 2024 - Wes Davis

**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)