



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
KANSAS/15/EG - EXCAVATOR
Machine Id
20.310L [KANSAS^15^EG - EXCAVATOR]
Component
Rear Left Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (1 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0918151	WC0901255	WC0862562
Sample Date		Client Info		08 Apr 2024	05 Mar 2024	22 Dec 2023
Machine Age	hrs	Client Info		594	559	361
Oil Age	hrs	Client Info		594	559	361
Filter Age	hrs	Client Info		0	0	361
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	51	51	32
Chromium	ppm	ASTM D5185m	>10	1	<1	<1
Nickel	ppm	ASTM D5185m	>5	1	0	0
Titanium	ppm	ASTM D5185m	>15	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>75	1	<1	2
Lead	ppm	ASTM D5185m	>10	1	0	0
Copper	ppm	ASTM D5185m	>75	2	<1	2
Tin	ppm	ASTM D5185m	>8	1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

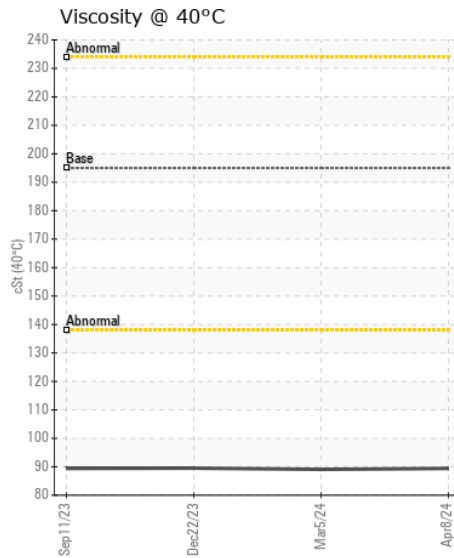
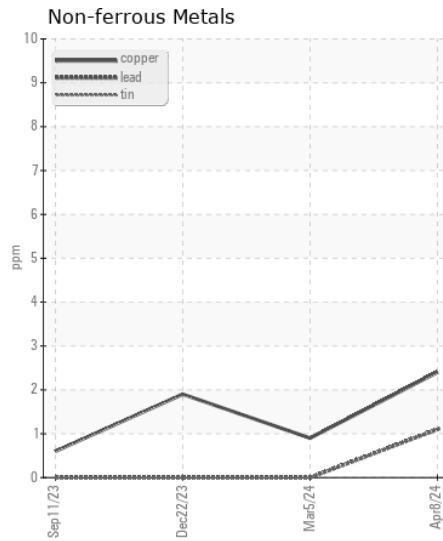
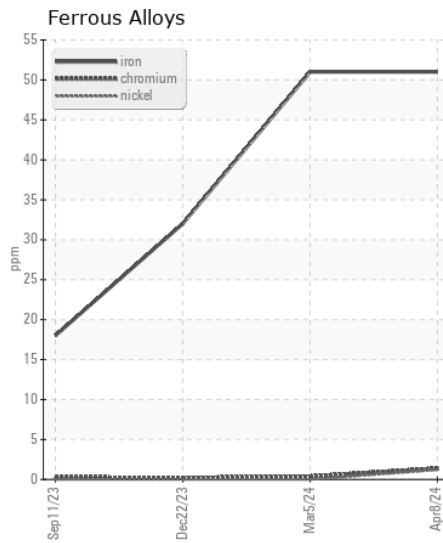
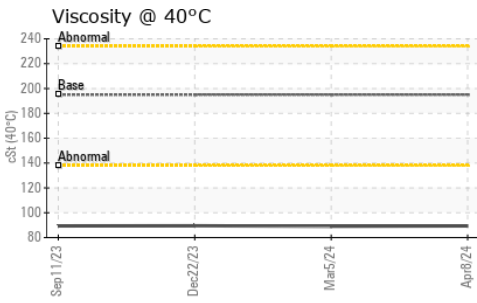
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	18	18	15
Potassium	ppm	ASTM D5185m	>20	6	3	6
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		6	7	1
Boron	ppm	ASTM D5185m		3	0	4
Barium	ppm	ASTM D5185m		17	0	16
Molybdenum	ppm	ASTM D5185m		2	0	0
Manganese	ppm	ASTM D5185m		2	<1	0
Magnesium	ppm	ASTM D5185m		22	0	11
Calcium	ppm	ASTM D5185m		3509	3553	3349
Phosphorus	ppm	ASTM D5185m		1033	924	947
Zinc	ppm	ASTM D5185m		1108	1101	1075
Sulfur	ppm	ASTM D5185m		12691	12274	12787
Visc @ 40°C	cSt	ASTM D445	195	89.4	89.1	89.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0918151
Lab Number : 06152406
Unique Number : 10982484
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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 WICHITA, KS
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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)