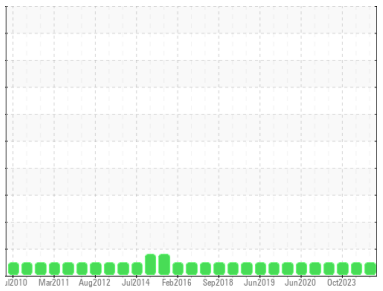
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Area
KANSAS/44/EG - LOADER
Machine Id
46.68L [KANSAS^44^EG - LOADER]
Component
Transmission (Manual)
Fluid
MOBIL MOBILTRANS AST 30 (--- 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 fluid.

Fluid Condition
The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0918154**	WC0833928	WC0833829
Sample Date		Client Info		**09 Apr 2024**	18 Oct 2023	03 Oct 2023
Machine Age	hrs	Client Info		**10892**	10593	10573
Oil Age	hrs	Client Info		**2142**	8750	8750
Oil Changed		Client Info		**Not Changd**	N/A	N/A
Sample Status				**NORMAL**	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**34**	24	25
Chromium	ppm	ASTM D5185m	>5	**<1**	0	0
Nickel	ppm	ASTM D5185m	>5	**1**	0	0
Titanium	ppm	ASTM D5185m		**<1**	<1	<1
Silver	ppm	ASTM D5185m	>7	**<1**	<1	0
Aluminum	ppm	ASTM D5185m	>25	**1**	1	1
Lead	ppm	ASTM D5185m	>45	**2**	0	<1
Copper	ppm	ASTM D5185m	>225	**8**	6	6
Tin	ppm	ASTM D5185m	>10	**2**	<1	<1
Antimony	ppm	ASTM D5185m		**---**	---	---
Vanadium	ppm	ASTM D5185m		**<1**	0	<1
Cadmium	ppm	ASTM D5185m		**1**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**34**	30	32
Barium	ppm	ASTM D5185m		**<1**	0	0
Molybdenum	ppm	ASTM D5185m		**2**	0	0
Manganese	ppm	ASTM D5185m		**1**	<1	<1
Magnesium	ppm	ASTM D5185m		**13**	24	16
Calcium	ppm	ASTM D5185m		**2896**	2697	2718
Phosphorus	ppm	ASTM D5185m		**1132**	971	981
Zinc	ppm	ASTM D5185m		**1204**	1166	1222
Sulfur	ppm	ASTM D5185m		**5761**	4686	4745

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	**7**	6	6
Sodium	ppm	ASTM D5185m		**18**	17	18
Potassium	ppm	ASTM D5185m	>20	**3**	<1	<1

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
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	>0.1	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

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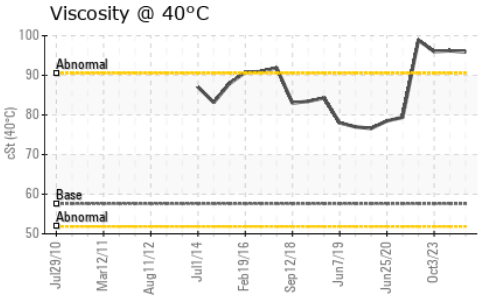
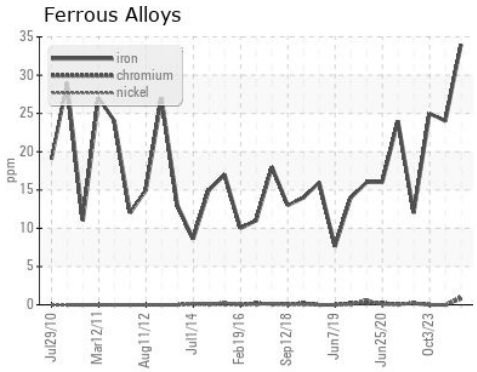
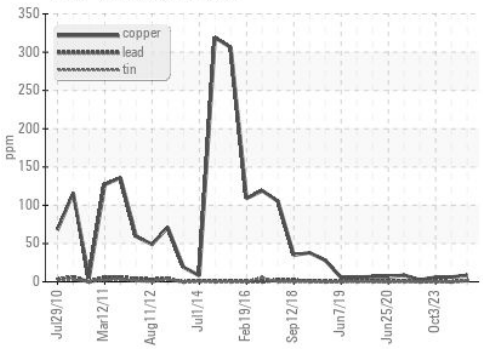


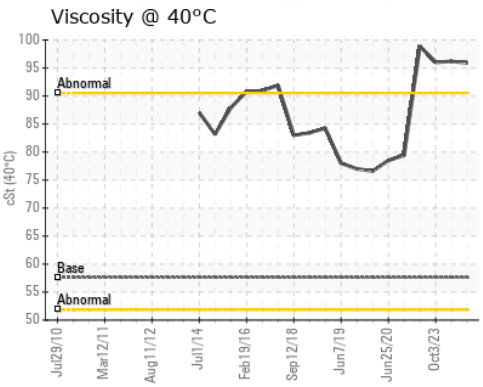
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.6	**95.9**	96.2	96.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
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. : WC0918154
Lab Number : 06152407
Unique Number : 10982485
Test Package : CONST

Received : 17 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 18 Apr 2024 - Wes Davis

SHERWOOD CONSTRUCTION CO INC
3219 WEST MAY ST
WICHITA, KS
US 67213
Contact: JIMMY DERAMUS
jimmy.deramus@sherwood.net
T: (918)691-3306
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)