



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
OKLAHOMA/102/TR - LOADER
 Machine Id
46.33L [OKLAHOMA^102^TR - LOADER]
 Component
Transmission (Manual)
 Fluid
TDTO FLUID SAE 10W (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0908840	WCMCF29265	WCMCF03837
Sample Date		Client Info		11 Jun 2024	28 Oct 2016	02 Aug 2014
Machine Age	hrs	Client Info		8895	600	1010
Oil Age	hrs	Client Info		0	600	500
Filter Age	hrs	Client Info		0	0	500
Oil Changed		Client Info		N/A	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	128	25	11
Chromium	ppm	ASTM D5185m	>5	1	<1	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>7	<1	0	0
Aluminum	ppm	ASTM D5185m	>25	8	<1	2
Lead	ppm	ASTM D5185m	>45	8	2	0
Copper	ppm	ASTM D5185m	>225	20	4	1
Tin	ppm	ASTM D5185m	>10	6	5	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

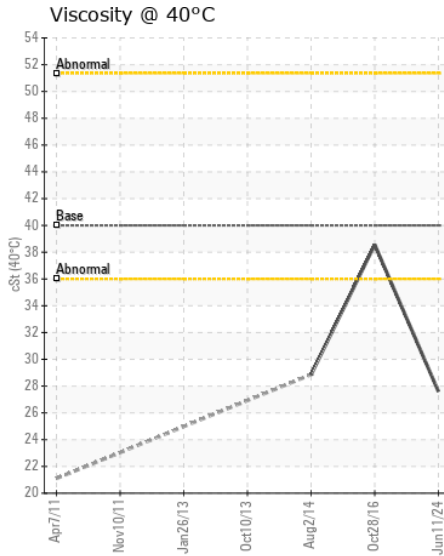
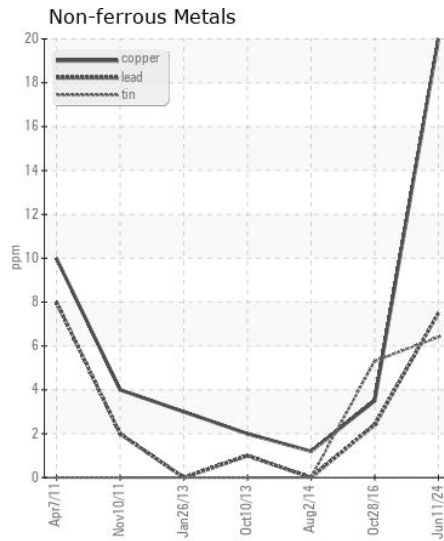
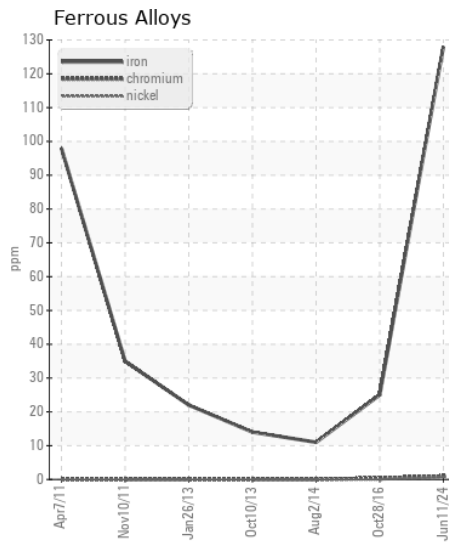
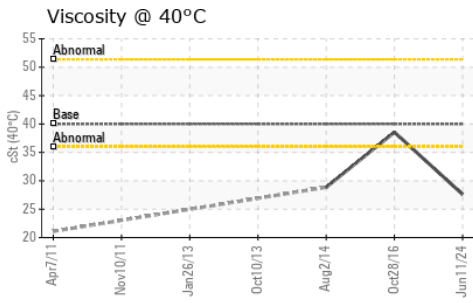
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	10	6	3
Potassium	ppm	ASTM D5185m	>20	9	4	3
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	6	1
Boron	ppm	ASTM D5185m	37	38	8	93
Barium	ppm	ASTM D5185m	7	0	0	0
Molybdenum	ppm	ASTM D5185m	5	2	1	0
Manganese	ppm	ASTM D5185m		3	<1	0
Magnesium	ppm	ASTM D5185m	40	10	21	0
Calcium	ppm	ASTM D5185m	2650	142	3045	85
Phosphorus	ppm	ASTM D5185m	1050	173	1055	218
Zinc	ppm	ASTM D5185m	1075	156	1238	15
Sulfur	ppm	ASTM D5185m	5750	1644	6304	2106
Visc @ 40°C	cSt	ASTM D445	40	27.6	38.56	28.86



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0908840
Lab Number : 06230655
Unique Number : 11114148
Test Package : CONST

Received : 08 Jul 2024
Tested : 09 Jul 2024
Diagnosed : 10 Jul 2024 - Jonathan Hester

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213

Contact: JIMMY DERAMUS
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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)

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