



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
OKLAHOMA/102/EG - ROLLER/COMPACTOR
Machine Id
64.35L [OKLAHOMA^102^EG - ROLLER/COMPACTOR]
Component
Right Final Drive
Fluid
MOBIL MOBILTRANS HD 30 (1 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 2672 hrs)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0864282	WC0746749	WC0746241
Sample Date		Client Info		18 Dec 2023	24 Apr 2023	21 Oct 2022
Machine Age	hrs	Client Info		2672	2222	1693
Oil Age	hrs	Client Info		1180	1180	480
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	110	61	58
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>15	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	2	2
Aluminum	ppm	ASTM D5185m	>75	2	2	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>75	0	<1	<1
Tin	ppm	ASTM D5185m	>8	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

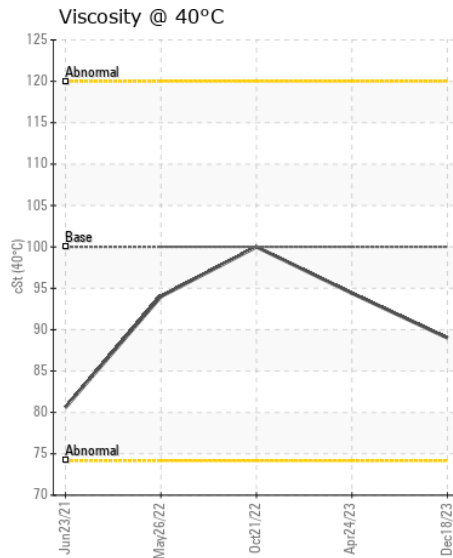
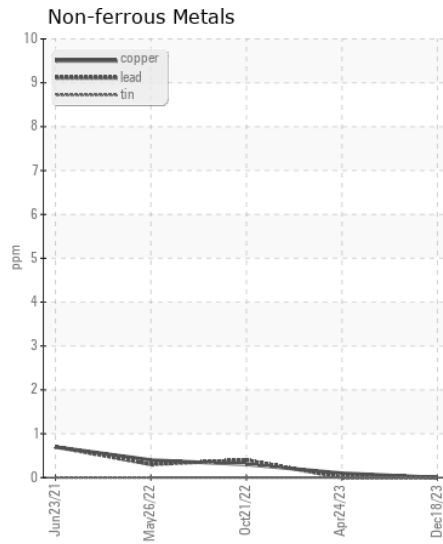
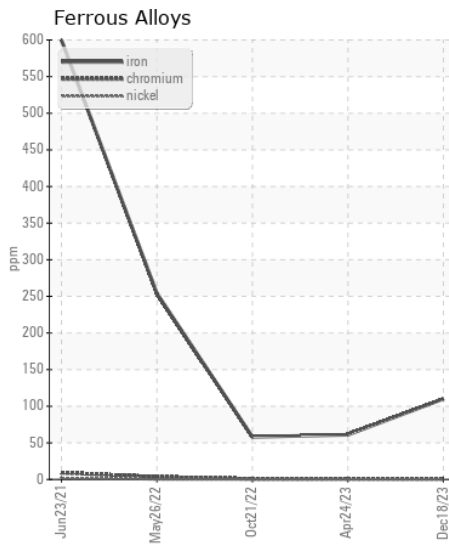
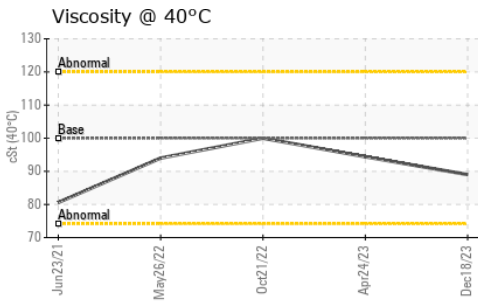
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	14	11	10
Potassium	ppm	ASTM D5185m	>20	2	<1	9
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		<1	3	5
Boron	ppm	ASTM D5185m		21	17	14
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	2	2
Manganese	ppm	ASTM D5185m		<1	1	2
Magnesium	ppm	ASTM D5185m		23	25	25
Calcium	ppm	ASTM D5185m		3191	3355	1827
Phosphorus	ppm	ASTM D5185m		1001	1032	634
Zinc	ppm	ASTM D5185m		1241	1310	728
Sulfur	ppm	ASTM D5185m		5559	5429	3417
Visc @ 40°C	cSt	ASTM D445	100	89.0	94.4	100



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0864282
Lab Number : 06057012
Unique Number : 10822961
Test Package : CONST

Received : 10 Jan 2024
Tested : 11 Jan 2024
Diagnosed : 11 Jan 2024 - Sean Felton

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)