



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
KANSAS/44
Machine Id
53.164L [KANSAS^44]
Component
Left Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (26 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0862620	WC0832375	WC0741859
Sample Date		Client Info		26 Feb 2024	18 Sep 2023	10 Jan 2023
Machine Age	hrs	Client Info		1921	1454	810
Oil Age	hrs	Client Info		0	308	810
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
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	157	401	649
Chromium	ppm	ASTM D5185m	>10	2	6	10
Nickel	ppm	ASTM D5185m	>5	<1	1	3
Titanium	ppm	ASTM D5185m	>15	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	3	8	7
Lead	ppm	ASTM D5185m	>10	0	1	2
Copper	ppm	ASTM D5185m	>75	12	35	74
Tin	ppm	ASTM D5185m	>8	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

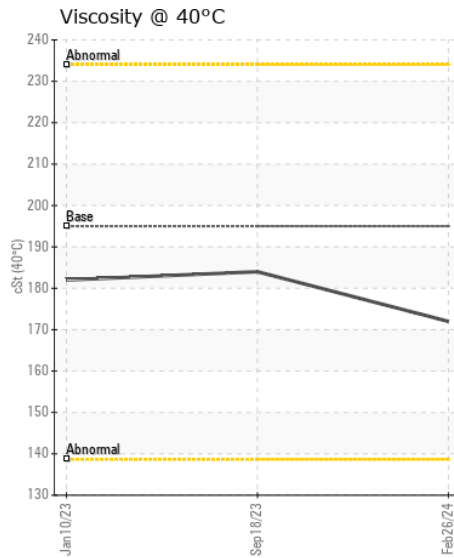
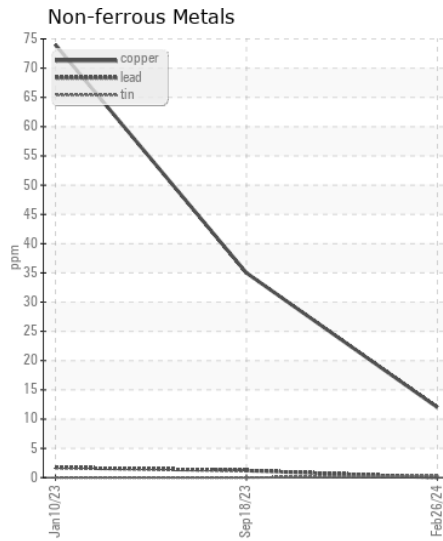
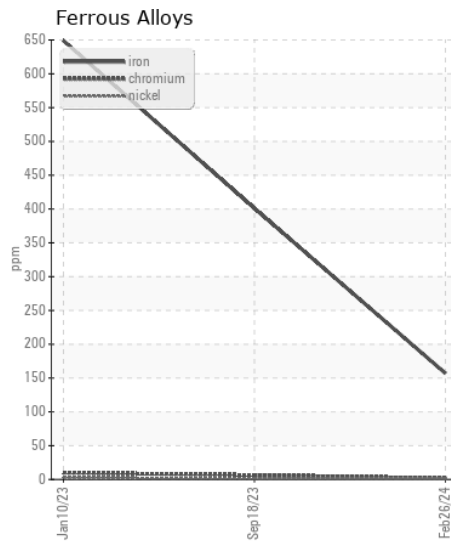
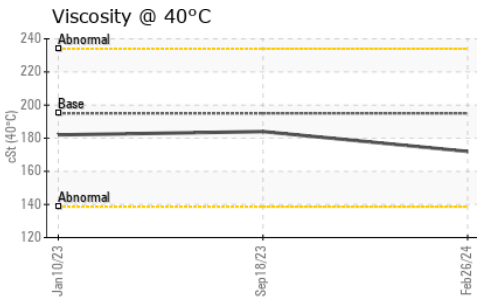
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	9	17	5
Potassium	ppm	ASTM D5185m	>20	4	10	15
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		3	10	18
Boron	ppm	ASTM D5185m		237	111	151
Barium	ppm	ASTM D5185m		2	0	19
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		2	4	7
Magnesium	ppm	ASTM D5185m		4	10	1
Calcium	ppm	ASTM D5185m		513	1983	60
Phosphorus	ppm	ASTM D5185m		1737	1131	1116
Zinc	ppm	ASTM D5185m		235	925	93
Sulfur	ppm	ASTM D5185m		19189	12163	24115
Visc @ 40°C	cSt	ASTM D445	195	172	184	182



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0862620
Lab Number : 06106476
Unique Number : 10909973
Test Package : CONST
Received : 01 Mar 2024
Tested : 04 Mar 2024
Diagnosed : 05 Mar 2024 - Jonathan Hester

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: RANDY ROBERTS
 randy.roberts@sherwood.net
 T: (316)943-6491
 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)