



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
KANSAS/44
Machine Id
53.162L [KANSAS^44]
Component
Right Chain Case
Fluid
MOBIL MOBILTRANS HD 50 (3 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0821592	WC0673491	WC0630430
Sample Date		Client Info		12 Feb 2024	28 Mar 2023	14 Jan 2022
Machine Age	hrs	Client Info		1398	960	5
Oil Age	hrs	Client Info		1398	960	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	N/A	Not Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>632	323	160	9
Chromium	ppm	ASTM D5185m	>3	<1	<1	<1
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>19	1	2	2
Lead	ppm	ASTM D5185m	>6	<1	0	0
Copper	ppm	ASTM D5185m	>46	<1	<1	0
Tin	ppm	ASTM D5185m	>3	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	▲ HEAVY	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

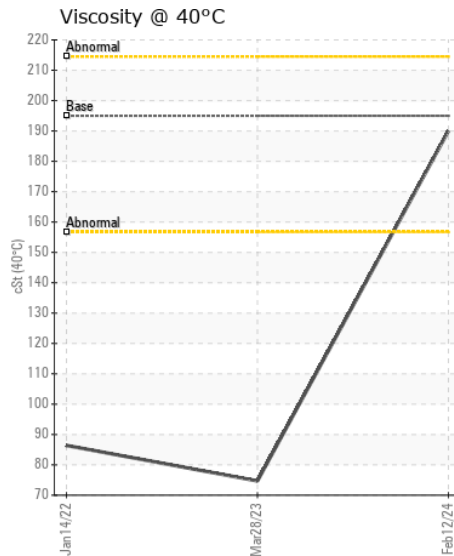
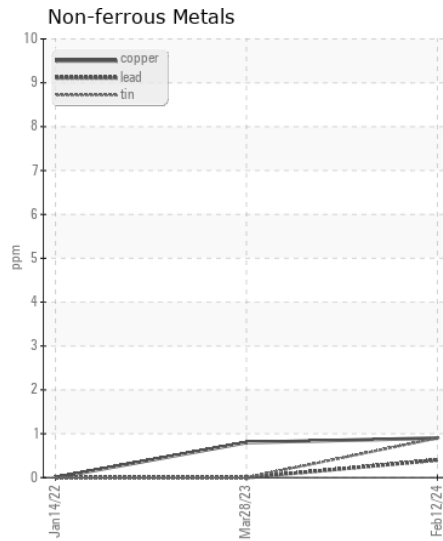
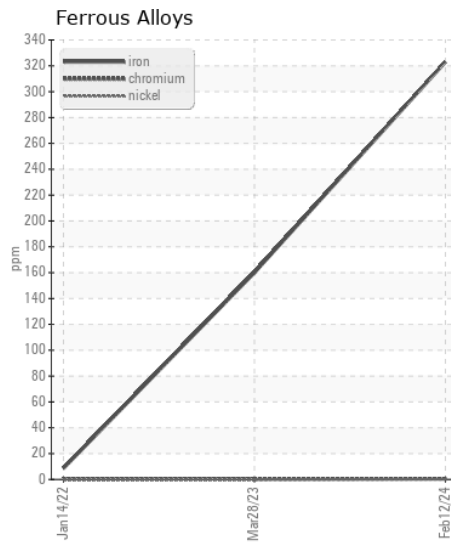
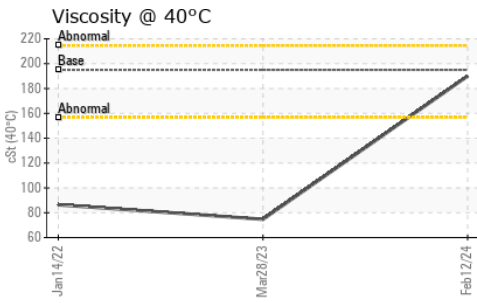
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>82	19	44	12
Potassium	ppm	ASTM D5185m	>20	0	4	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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		2	2	<1
Boron	ppm	ASTM D5185m		15	66	59
Barium	ppm	ASTM D5185m		0	26	41
Molybdenum	ppm	ASTM D5185m		1	38	33
Manganese	ppm	ASTM D5185m		3	2	<1
Magnesium	ppm	ASTM D5185m		18	503	442
Calcium	ppm	ASTM D5185m		2871	1646	1433
Phosphorus	ppm	ASTM D5185m		1021	904	808
Zinc	ppm	ASTM D5185m		1240	1163	969
Sulfur	ppm	ASTM D5185m		6792	3405	2309
Visc @ 40°C	cSt	ASTM D445	195	190	74.7	86.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0821592
Lab Number : 06097299
Unique Number : 10890152
Test Package : CONST

Received : 22 Feb 2024
Tested : 23 Feb 2024
Diagnosed : 23 Feb 2024 - Wes Davis

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)