



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Mobile Fleet
Machine Id
6443 6443
Component
Transmission (Auto)
Fluid
ATF (8 GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0939421	WC0757148	WC0704256
Sample Date		Client Info		22 May 2024	28 Oct 2022	25 May 2022
Machine Age	hrs	Client Info		7659	5138	4146
Oil Age	hrs	Client Info		1258	988	1877
Filter Age	hrs	Client Info		1258	988	1877
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	74	40	82
Chromium	ppm	ASTM D5185m	>2	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>5	0	<1	0
Aluminum	ppm	ASTM D5185m	>70	28	20	35
Lead	ppm	ASTM D5185m	>85	12	12	34
Copper	ppm	ASTM D5185m	>90	12	8	14
Tin	ppm	ASTM D5185m	>10	4	3	6
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

High concentration of visible dirt/debris present in the fluid.

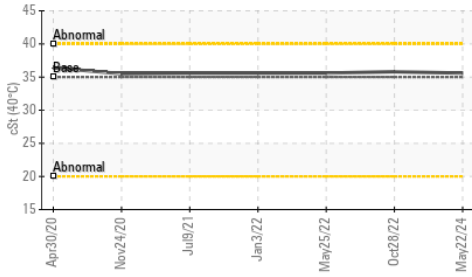
Silicon	ppm	ASTM D5185m	>20	4	3	6
Potassium	ppm	ASTM D5185m	>20	2	3	5
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	---	● 17572	▲ 46425
Particles >6µm		ASTM D7647	>2500	---	1077	▲ 5044
Particles >14µm		ASTM D7647	>320	---	26	79
Particles >21µm		ASTM D7647	>80	---	9	5
Particles >38µm		ASTM D7647	>20	---	1	0
Particles >71µm		ASTM D7647	>4	---	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	---	● 21/17/12	▲ 23/20/13
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ HEAVY	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

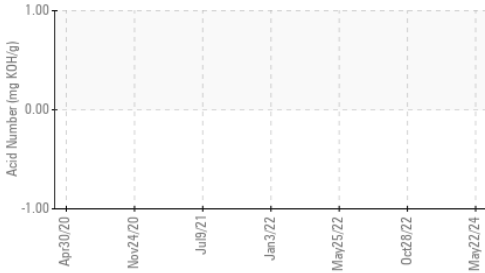
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		4	3	4
Boron	ppm	ASTM D5185m		137	130	122
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		0	<1	1
Manganese	ppm	ASTM D5185m		2	<1	2
Magnesium	ppm	ASTM D5185m		0	<1	<1
Calcium	ppm	ASTM D5185m		43	43	38
Phosphorus	ppm	ASTM D5185m		309	289	261
Zinc	ppm	ASTM D5185m		0	4	4
Sulfur	ppm	ASTM D5185m		1365	1236	941
Visc @ 40°C	cSt	ASTM D445	35.0	35.6	35.8	35.6

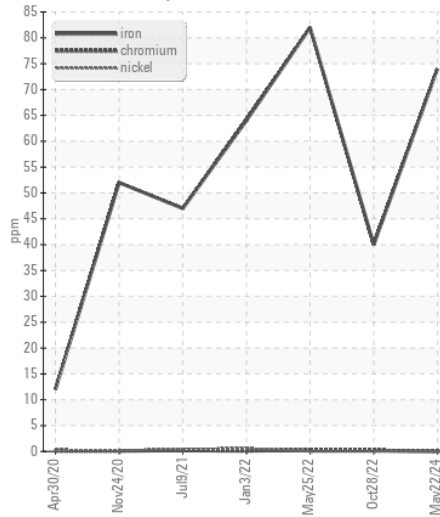
Viscosity @ 40°C



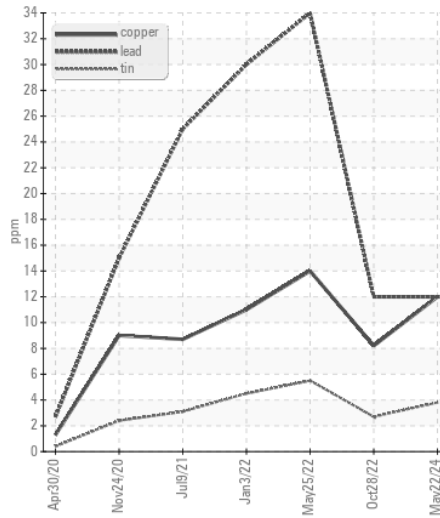
Acid Number



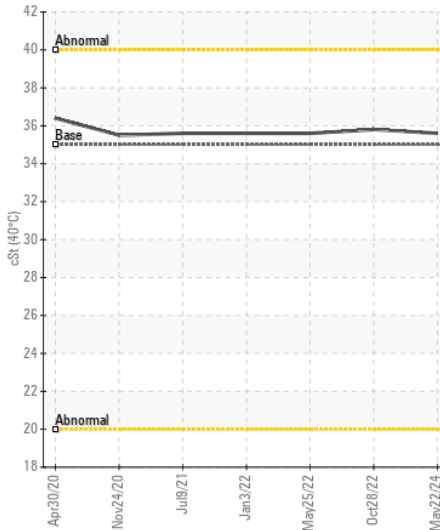
Ferrous Alloys



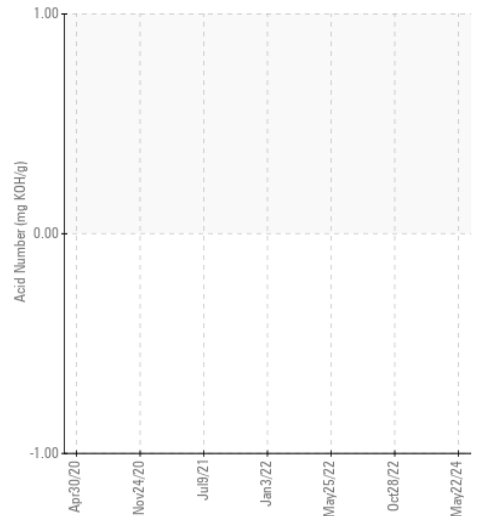
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0939421 **Received** : 24 May 2024
Lab Number : 06190935 **Tested** : 29 May 2024
Unique Number : 11047687 **Diagnosed** : 29 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

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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