



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Mobile Fleet
 Machine Id
8018 8018
 Component
Transmission (Auto)
 Fluid
MOBIL DELVAC SYNTHETIC ATF (8 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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		WC0937946	WC0834945	WC0808404
Sample Date		Client Info		17 Jun 2024	28 Jul 2023	23 May 2023
Machine Age	hrs	Client Info		16956	15209	14848
Oil Age	hrs	Client Info		3976	2229	1868
Filter Age	hrs	Client Info		3976	2229	1868
Oil Changed		Client Info		Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Not Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	43	53	43
Chromium	ppm	ASTM D5185m	>2	<1	0	0
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>70	6	9	9
Lead	ppm	ASTM D5185m	>85	0	<1	0
Copper	ppm	ASTM D5185m	>90	11	19	14
Tin	ppm	ASTM D5185m	>10	<1	1	1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

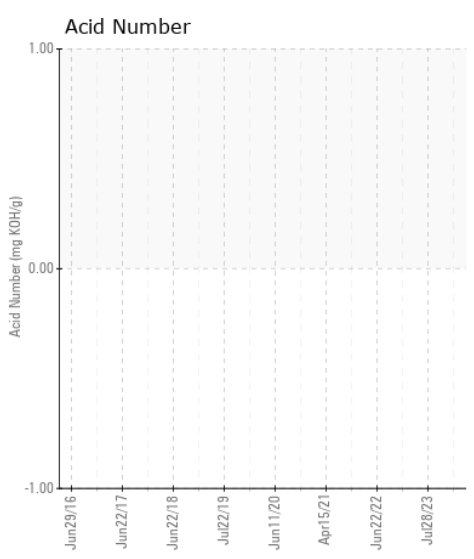
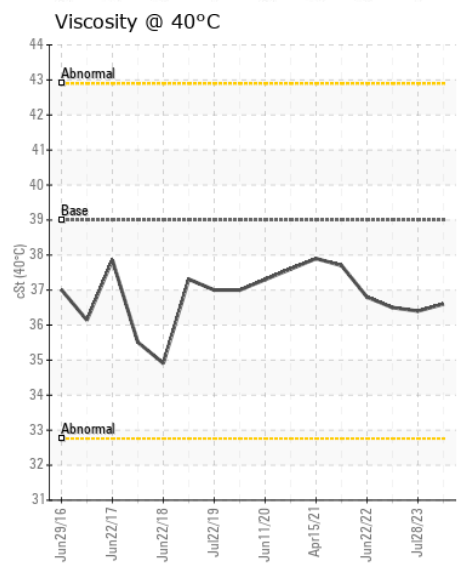
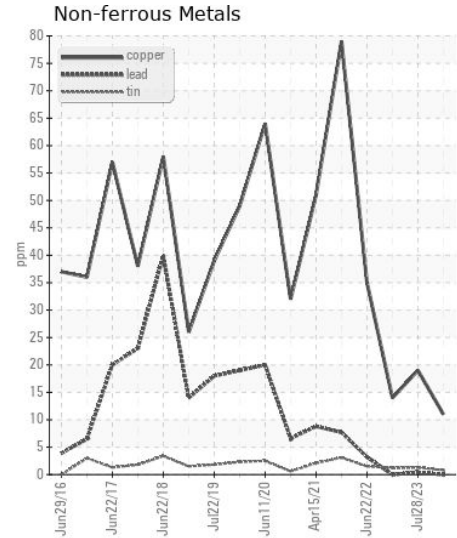
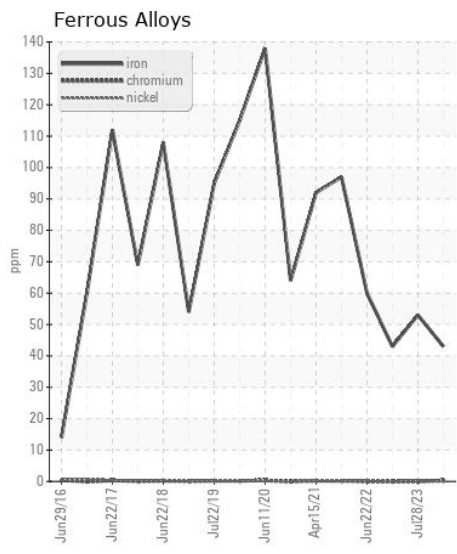
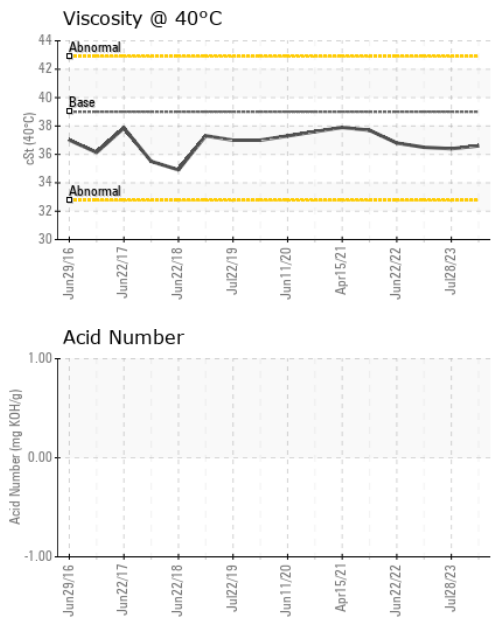
Moderate concentration of visible dirt/debris present in the fluid.

Silicon	ppm	ASTM D5185m	>20	3	4	1
Potassium	ppm	ASTM D5185m	>20	2	2	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	---	---	---
Particles >6µm		ASTM D7647	>2500	---	---	---
Particles >14µm		ASTM D7647	>320	---	---	---
Particles >21µm		ASTM D7647	>80	---	---	---
Particles >38µm		ASTM D7647	>20	---	---	---
Particles >71µm		ASTM D7647	>4	---	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	---	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	▲ MODER	▲ MODER
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	5	7
Boron	ppm	ASTM D5185m		117	98	87
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		1	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		9	10	10
Calcium	ppm	ASTM D5185m		47	56	55
Phosphorus	ppm	ASTM D5185m		348	309	312
Zinc	ppm	ASTM D5185m		20	31	21
Sulfur	ppm	ASTM D5185m		2663	2192	1444
Visc @ 40°C	cSt	ASTM D445	39	36.6	36.4	36.5



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0937946 **Received** : 19 Jun 2024
Lab Number : 06214522 **Tested** : 21 Jun 2024
Unique Number : 11087386 **Diagnosed** : 21 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

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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)