



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Contracting
Machine Id
5205 5205
Component
Transmission (Auto)
Fluid
MOBIL MOBILFLUID 424 (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0919105	WC0716684	WC0630626
Sample Date		Client Info		24 Apr 2024	21 Sep 2022	06 Oct 2021
Machine Age	hrs	Client Info		5802	4613	3952
Oil Age	hrs	Client Info		1189	2570	1909
Filter Age	hrs	Client Info		1189	2570	1909
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	22	37	34
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>5	0	<1	<1
Aluminum	ppm	ASTM D5185m	>50	<1	1	<1
Lead	ppm	ASTM D5185m	>50	0	<1	<1
Copper	ppm	ASTM D5185m	>225	4	9	9
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

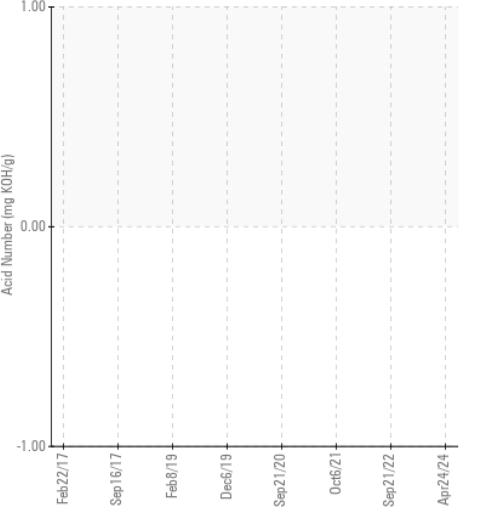
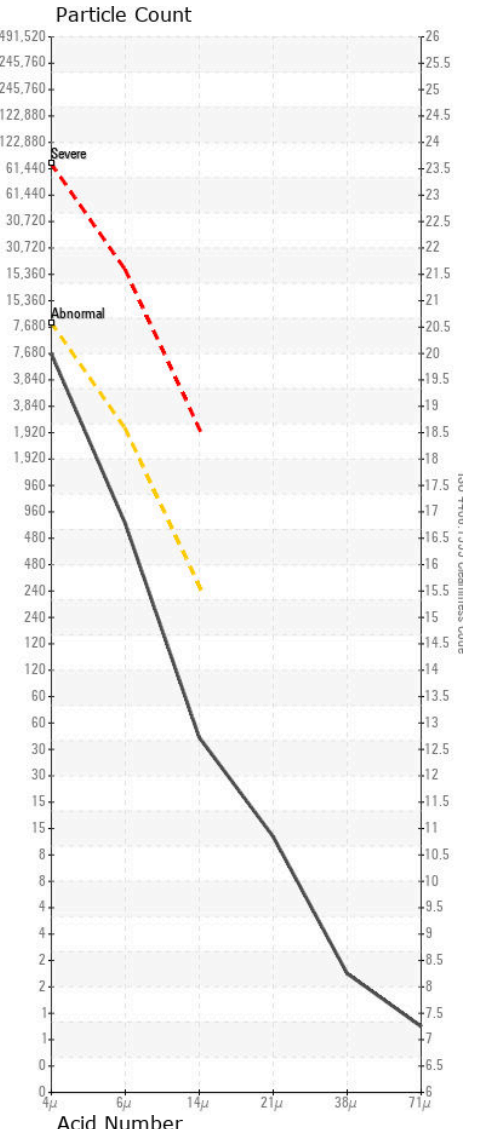
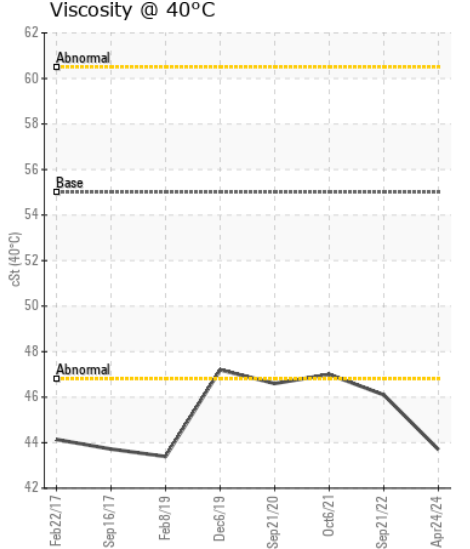
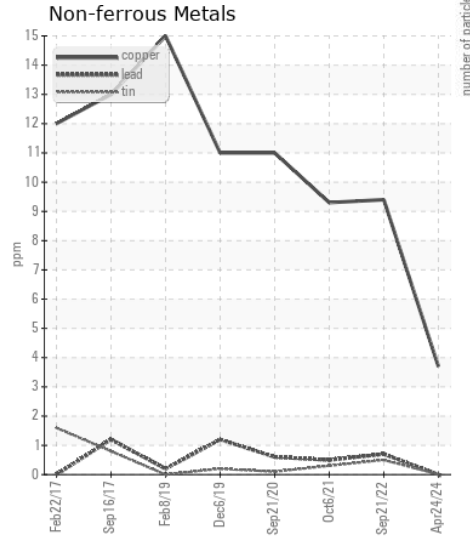
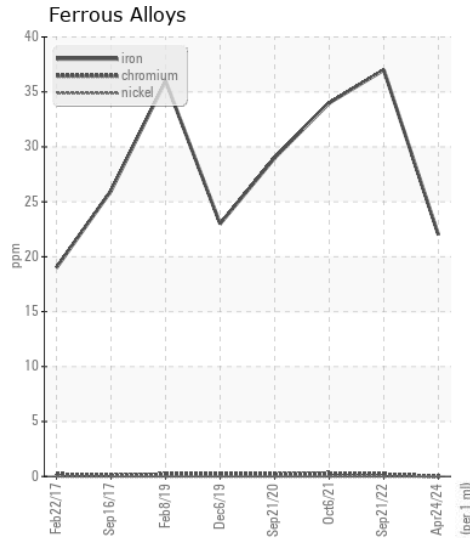
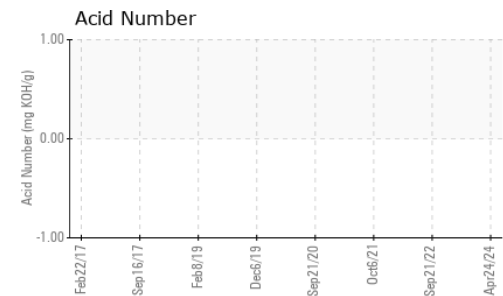
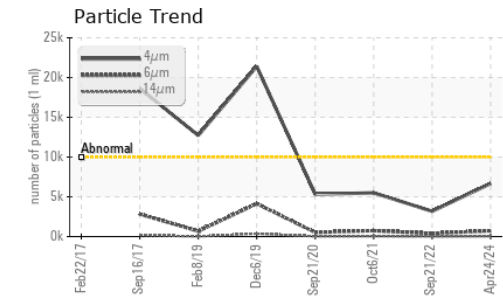
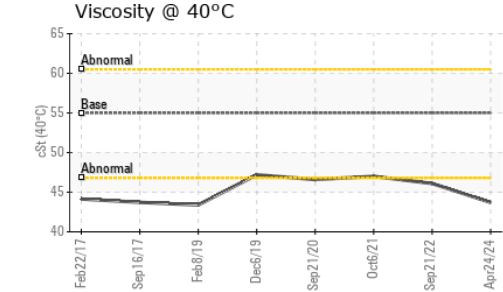
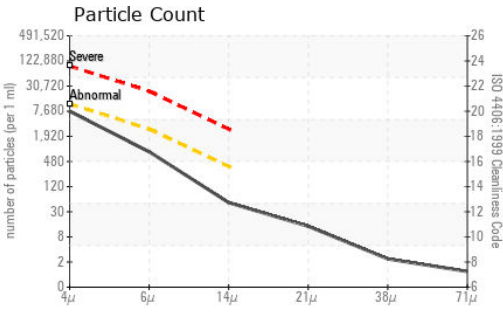
The amount and size of particulates present in the system is acceptable. There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>20	9	11	9
Potassium	ppm	ASTM D5185m	>20	0	<1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	6676	3179	5501
Particles >6µm		ASTM D7647	>2500	722	396	744
Particles >14µm		ASTM D7647	>320	44	17	46
Particles >21µm		ASTM D7647	>80	12	3	12
Particles >38µm		ASTM D7647	>20	2	0	0
Particles >71µm		ASTM D7647	>4	1	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/17/13	19/16/11	20/17/13
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	10	10
Boron	ppm	ASTM D5185m		69	43	52
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		6	<1	<1
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m		60	53	56
Calcium	ppm	ASTM D5185m		2974	3362	3494
Phosphorus	ppm	ASTM D5185m		966	1000	1070
Zinc	ppm	ASTM D5185m		1159	1282	1342
Sulfur	ppm	ASTM D5185m		4921	4823	3946
Visc @ 40°C	cSt	ASTM D445	55	43.7	46.1	47.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0919105 **Received** : 26 Apr 2024
Lab Number : 06161339 **Tested** : 30 Apr 2024
Unique Number : 10996762 **Diagnosed** : 30 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

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Certificate L2367
 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)