



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Contracting
Machine Id
7207 7207
Component
Transmission (Auto)
Fluid
MOBIL MOBILFLUID 424 (10 GAL)

RECOMMENDATION

The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0918757	WC0784628	WC0740737
Sample Date		Client Info		22 Apr 2024	21 Aug 2023	27 Sep 2022
Machine Age	hrs	Client Info		4285	4021	3366
Oil Age	hrs	Client Info		1033	769	1046
Filter Age	hrs	Client Info		1033	769	1046
Oil Changed		Client Info		Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	92	73	102
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	1	3	4
Lead	ppm	ASTM D5185m	>50	2	3	3
Copper	ppm	ASTM D5185m	>225	32	26	35
Tin	ppm	ASTM D5185m	>10	2	3	3
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

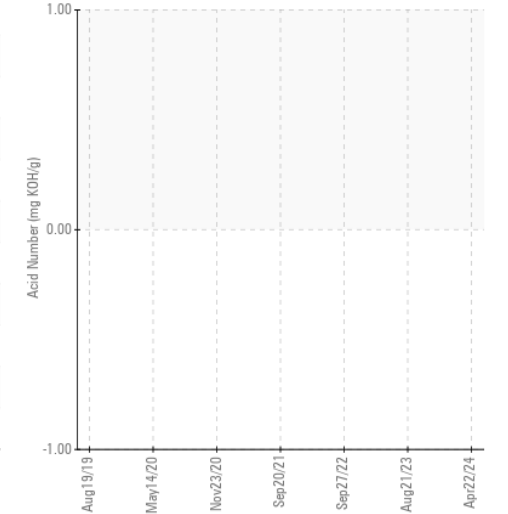
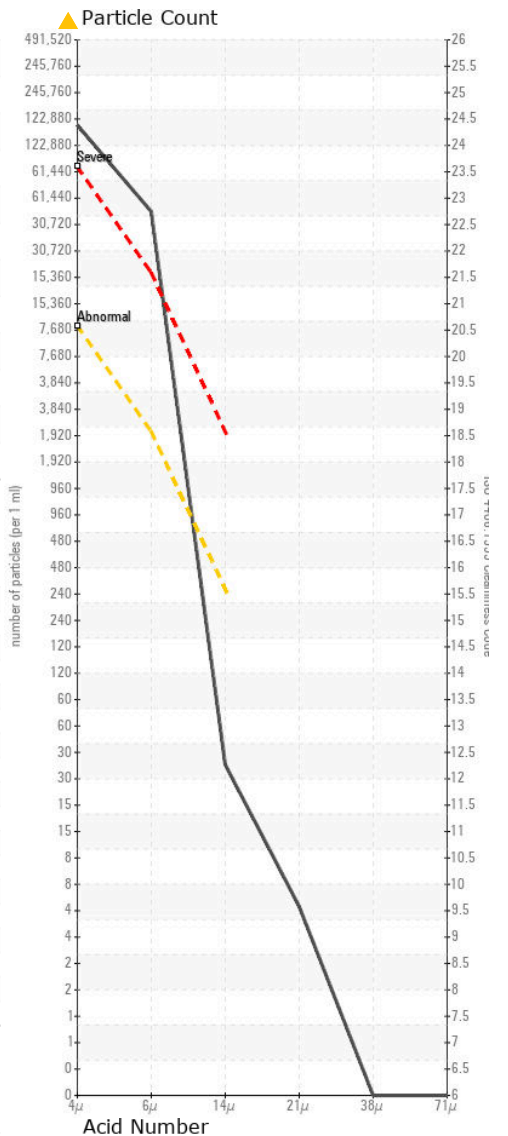
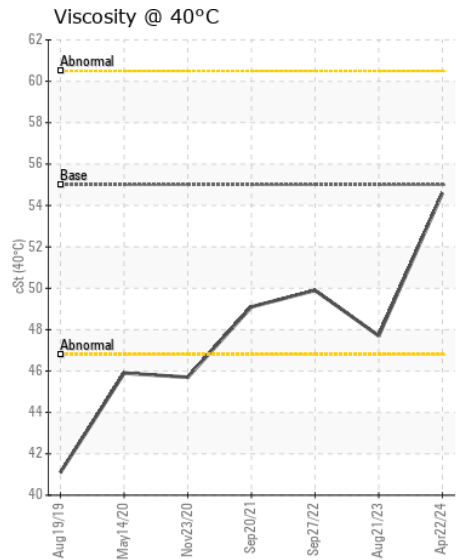
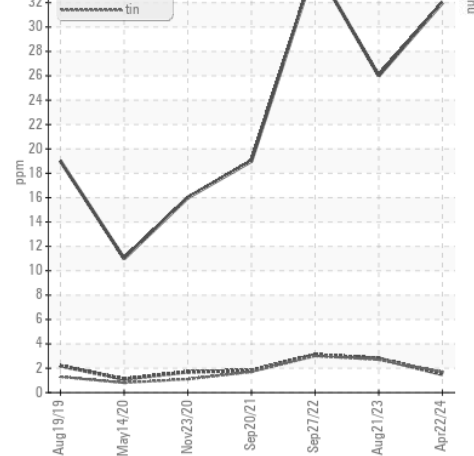
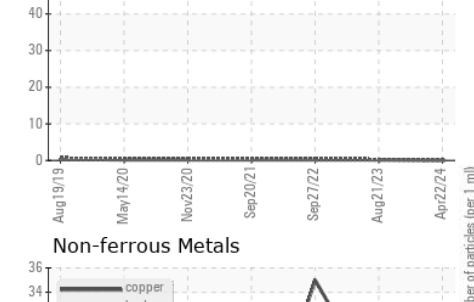
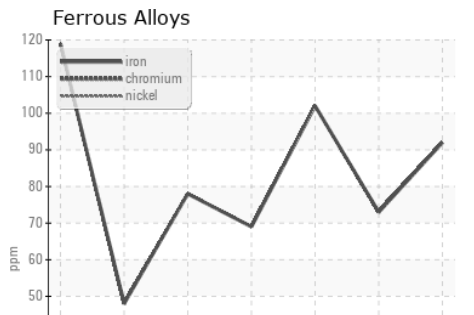
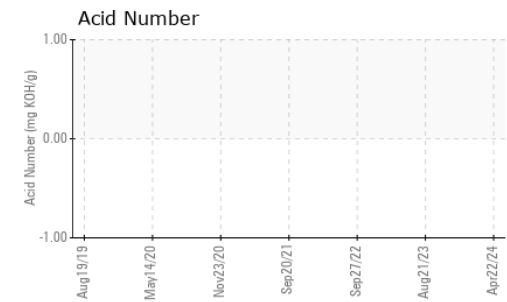
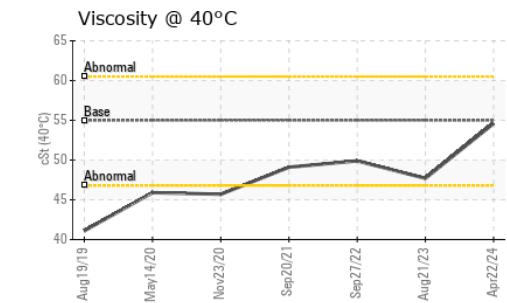
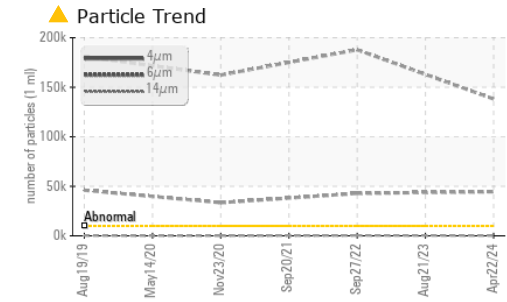
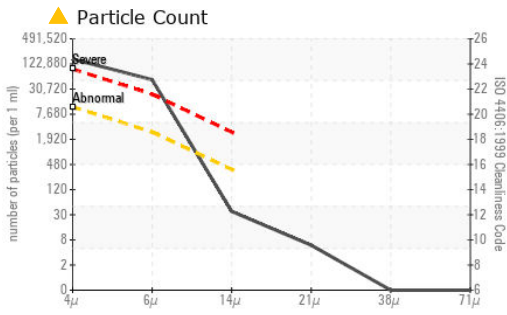
There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	8	11	12
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 138169	---	▲ 187848
Particles >6µm		ASTM D7647	>2500	▲ 44554	---	▲ 42821
Particles >14µm		ASTM D7647	>320	32	---	196
Particles >21µm		ASTM D7647	>80	5	---	59
Particles >38µm		ASTM D7647	>20	0	---	3
Particles >71µm		ASTM D7647	>4	0	---	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 24/23/12	---	▲ 25/23/15
Silt	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	5
Boron	ppm	ASTM D5185m		92	113	108
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		6	8	9
Manganese	ppm	ASTM D5185m		0	1	1
Magnesium	ppm	ASTM D5185m		48	61	48
Calcium	ppm	ASTM D5185m		2840	3214	3337
Phosphorus	ppm	ASTM D5185m		937	1011	1139
Zinc	ppm	ASTM D5185m		1120	1302	1341
Sulfur	ppm	ASTM D5185m		6640	7235	7741
Visc @ 40°C	cSt	ASTM D445	55	54.6	47.7	49.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0918757 **Received** : 24 Apr 2024
Lab Number : 06158964 **Tested** : 25 Apr 2024
Unique Number : 10994387 **Diagnosed** : 25 Apr 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)

CAROLINA SUNROCK
 PO BOX 25
 BUTNER, NC
 US 27509

Contact: Leigh Dennis
 rdennis@thesunrockgroup.com

T: (919)575-4505

F: (919)575-0162