



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Contracting
 Machine Id
7209 7209
 Component
Boom Hydraulic System
 Fluid
MOBIL MOBILFLUID 424 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

WEAR

All component wear rates are normal.

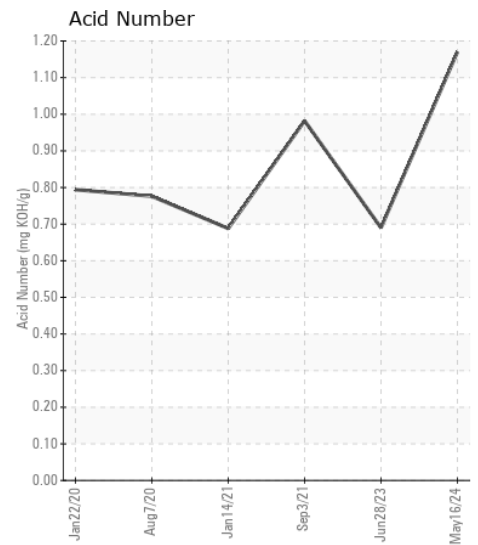
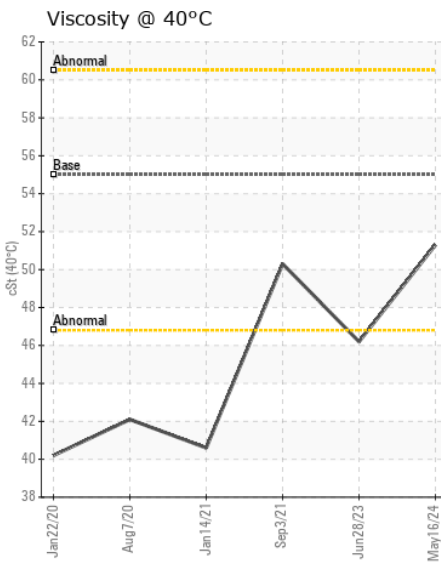
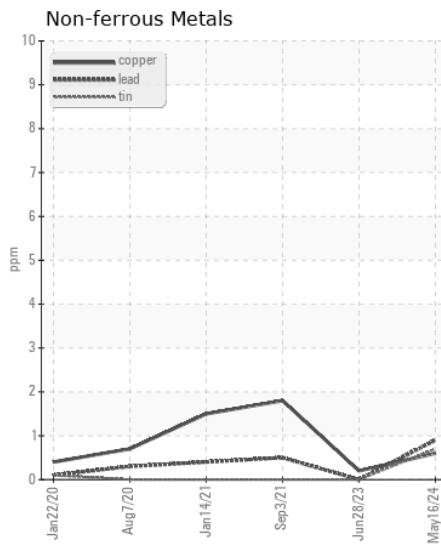
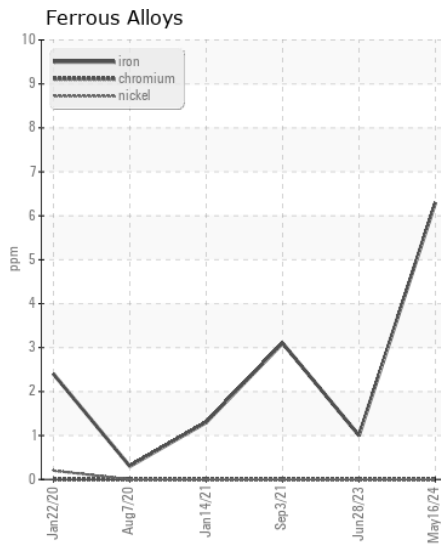
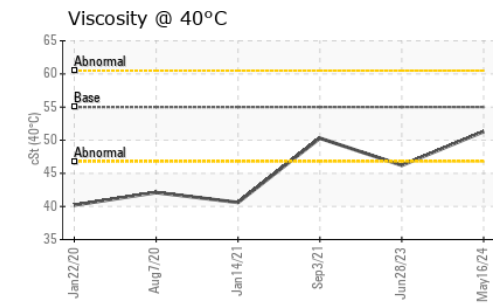
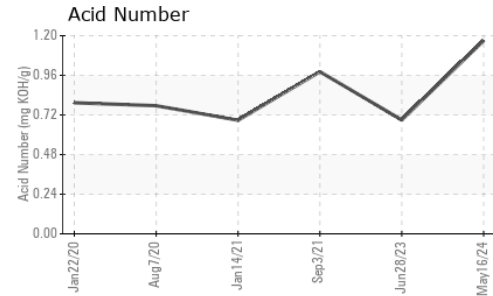
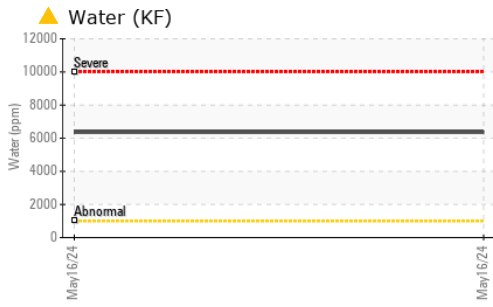
CONTAMINATION

High concentration of visible dirt/debris present in the oil. There is a moderate concentration of water present in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0939396	WC0819019	WC0585577
Sample Date		Client Info		16 May 2024	28 Jun 2023	03 Sep 2021
Machine Age	hrs	Client Info		6387	5888	3301
Oil Age	hrs	Client Info		499	1288	436
Filter Age	hrs	Client Info		499	0	436
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
<hr/>						
Iron	ppm	ASTM D5185m	>20	6	1	3
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
Lead	ppm	ASTM D5185m	>10	<1	0	<1
Copper	ppm	ASTM D5185m	>75	<1	<1	2
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
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Silicon	ppm	ASTM D5185m	>20	16	5	11
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>0.1	▲ 0.636	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 6360	---	---
Particles >4µm		ASTM D7647	>5000	---	▲ 86960	● 5996
Particles >6µm		ASTM D7647	>1300	---	▲ 22613	170
Particles >14µm		ASTM D7647	>160	---	▲ 1050	15
Particles >21µm		ASTM D7647	>40	---	▲ 152	7
Particles >38µm		ASTM D7647	>10	---	2	0
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	---	▲ 24/22/17	● 20/15/11
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	▲ 0.2%	NEG	NEG
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Sodium	ppm	ASTM D5185m		1	<1	5
Boron	ppm	ASTM D5185m		114	● 25	108
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		17	2	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		49	49	21
Calcium	ppm	ASTM D5185m		3027	● 719	2996
Phosphorus	ppm	ASTM D5185m		1039	● 334	977
Zinc	ppm	ASTM D5185m		1248	● 345	1183
Sulfur	ppm	ASTM D5185m		7688	● 1975	5111
Acid Number (AN)	mg KOH/g	ASTM D8045		1.17	0.69	0.982
Visc @ 40°C	cSt	ASTM D445	55	51.3	46.2	50.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0939396
Lab Number : 06186006
Unique Number : 11042758
Test Package : CONST (Additional Tests: KF)

Received : 21 May 2024
Tested : 23 May 2024
Diagnosed : 23 May 2024 - Don Baldrige

CAROLINA SUNROCK
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 US 27509

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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)