



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Contracting
 Machine Id
4404 4404
 Component
Hydraulic System
 Fluid
MOBIL 10W (20 GAL)

RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. 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.

WEAR

All component wear rates are normal.

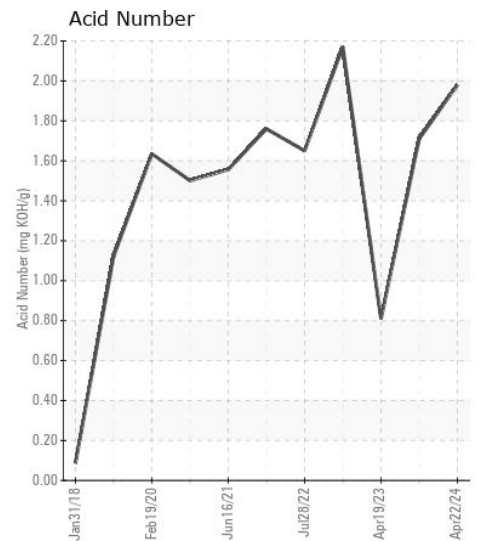
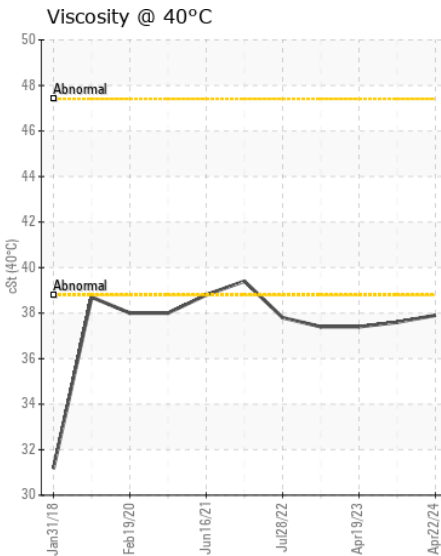
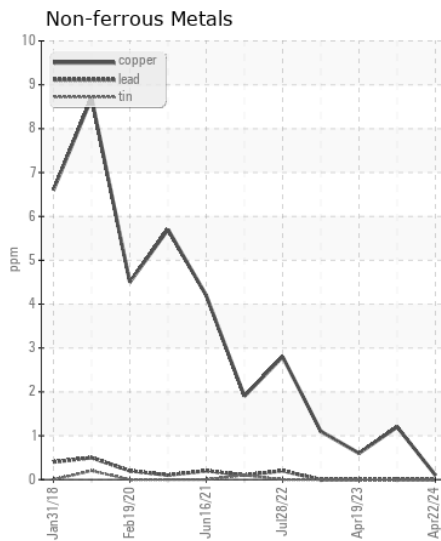
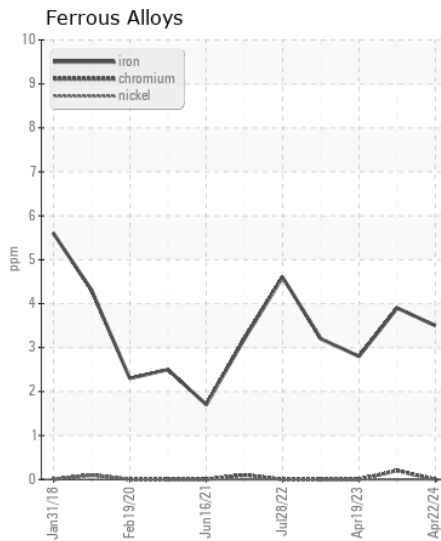
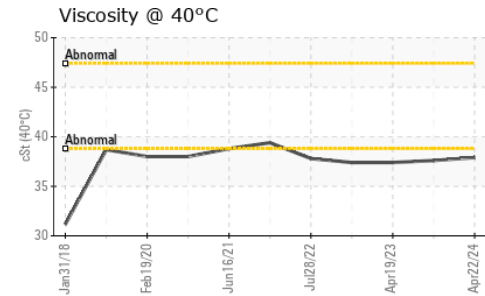
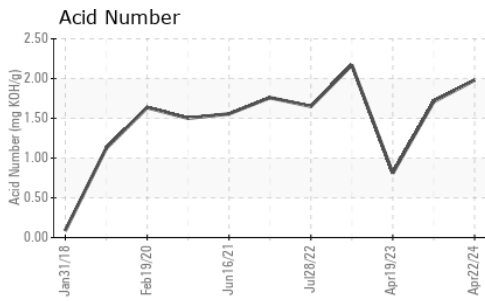
CONTAMINATION

There is a moderate amount of visible silt present in the sample.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0918702	WC0867132	WC0808906
Sample Date		Client Info		22 Apr 2024	10 Nov 2023	19 Apr 2023
Machine Age	hrs	Client Info		12713	12243	11248
Oil Age	hrs	Client Info		1465	995	1593
Filter Age	hrs	Client Info		1465	995	1593
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>40	4	4	3
Chromium	ppm	ASTM D5185m	>5	0	<1	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>8	0	1	<1
Lead	ppm	ASTM D5185m	>5	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	1	<1
Tin	ppm	ASTM D5185m	>2	0	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
Silicon	ppm	ASTM D5185m	>20	2	2	1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	---	▲ 26682	1855
Particles >6µm		ASTM D7647	>1300	---	▲ 6425	383
Particles >14µm		ASTM D7647	>160	---	▲ 364	31
Particles >21µm		ASTM D7647	>40	---	▲ 71	6
Particles >38µm		ASTM D7647	>10	---	1	0
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	---	▲ 22/20/16	18/16/12
Silt	scalar	*Visual	NONE	▲ MODER	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
Sodium	ppm	ASTM D5185m		1	0	<1
Boron	ppm	ASTM D5185m		4	<1	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	2	2
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		687	736	702
Calcium	ppm	ASTM D5185m		45	44	54
Phosphorus	ppm	ASTM D5185m		1052	1096	1029
Zinc	ppm	ASTM D5185m		1201	1282	1176
Sulfur	ppm	ASTM D5185m		7692	7273	7332
Acid Number (AN)	mg KOH/g	ASTM D8045		1.98	1.71	0.81
Visc @ 40°C	cSt	ASTM D445		37.9	37.6	37.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0918702

Lab Number : 06158966

Unique Number : 10994389

Test Package : CONST

Received : 24 Apr 2024

Tested : 25 Apr 2024

Diagnosed : 25 Apr 2024 - Don Baldrige

CAROLINA SUNROCK

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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)