



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
1000731673 - BONE CANNON AMR 2318-195

Component
Hydraulic System

Fluid
TOTAL FINA NEVASTANE FG AW 46 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

WEAR

All component wear rates are normal.

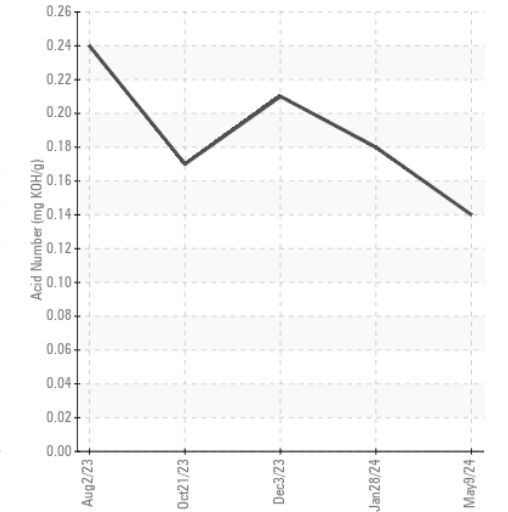
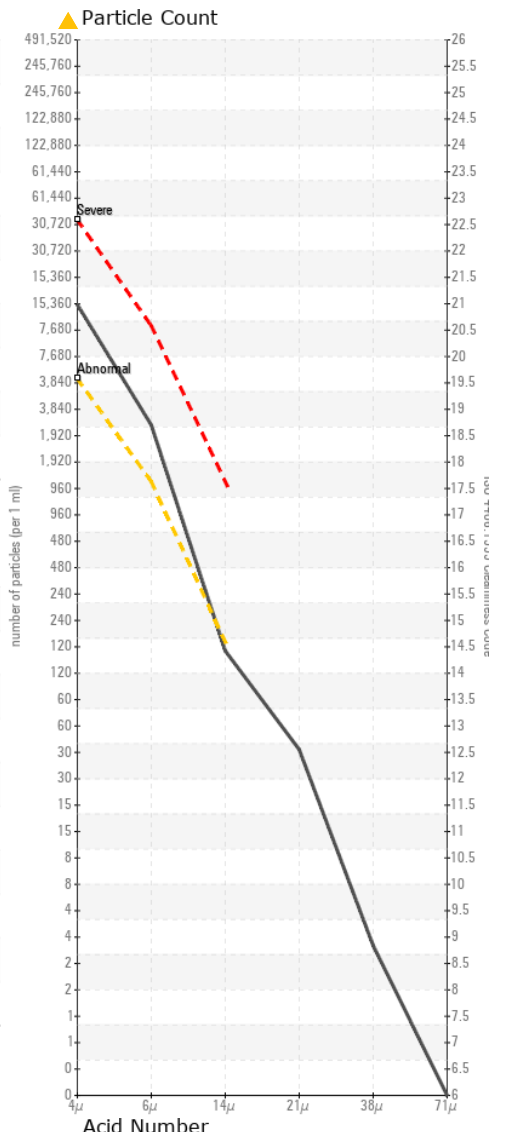
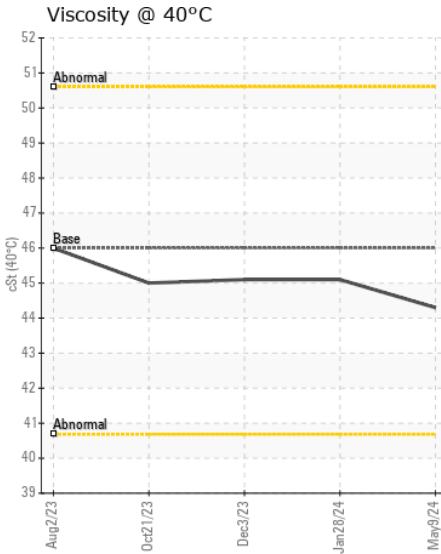
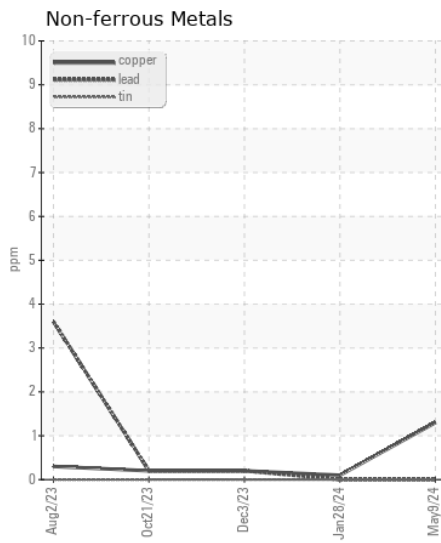
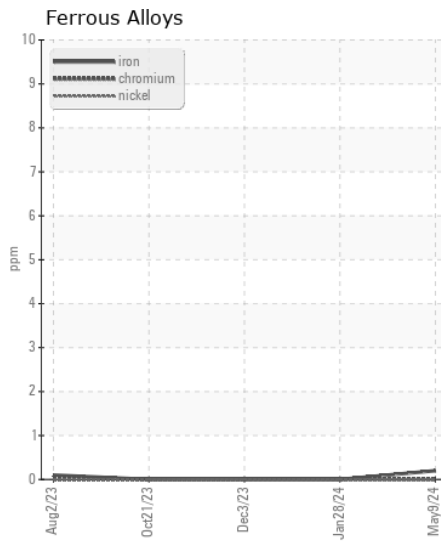
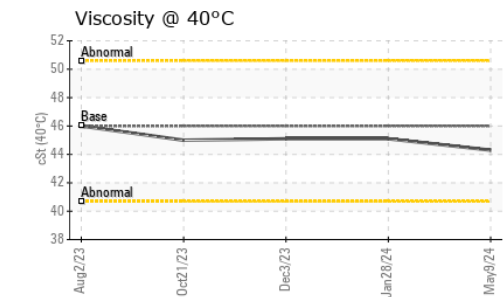
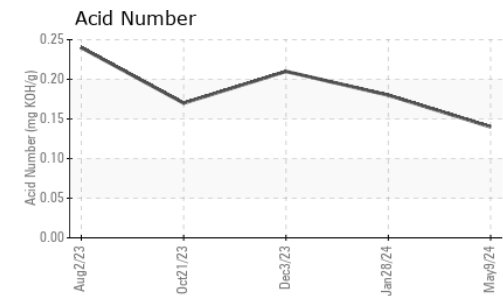
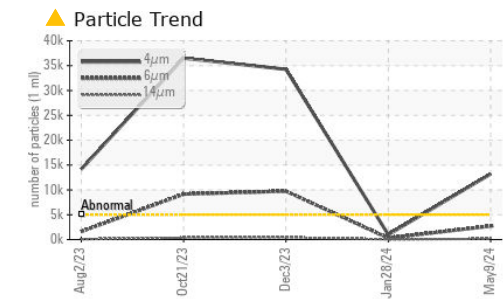
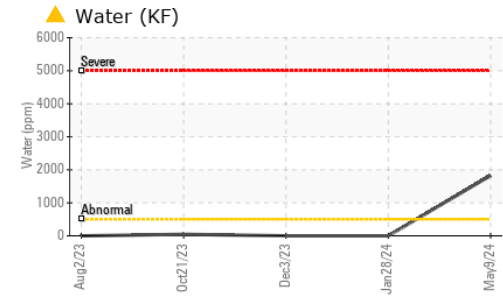
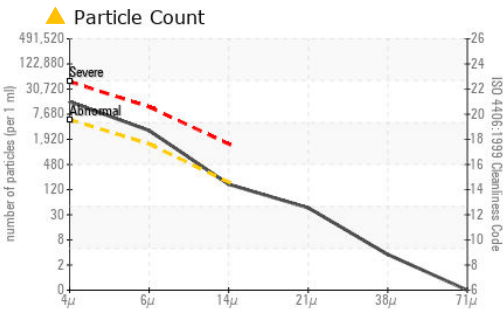
CONTAMINATION

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. There is a moderate concentration of water present in the oil. Free water present.

FLUID CONDITION

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0938231	WC0892332	WC0882216
Sample Date		Client Info		09 May 2024	28 Jan 2024	03 Dec 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Filtered	Filtered	Not Changed
Filter Changed		Client Info		Cleaned	Cleaned	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185(m)	>20	<1	0	0
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	0	<1	0
Lead	ppm	ASTM D5185(m)	>20	0	0	<1
Copper	ppm	ASTM D5185(m)	>20	1	<1	<1
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>15	0	1	1
Potassium	ppm	ASTM D5185(m)	>20	4	<1	0
Water	%	ASTM D6304*	>0.05	▲ 0.182	---	---
ppm Water	ppm	ASTM D6304*	>500	▲ 1826	---	---
Particles >4µm		ASTM D7647	>5000	▲ 13200	975	▲ 34258
Particles >6µm		ASTM D7647	>1300	▲ 2727	310	▲ 9741
Particles >14µm		ASTM D7647	>160	142	28	▲ 429
Particles >21µm		ASTM D7647	>40	39	8	● 68
Particles >38µm		ASTM D7647	>10	3	1	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 21/19/14	17/15/12	▲ 22/20/16
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	▲ WGOIL	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	▲ .5%	NEG	NEG
Sodium	ppm	ASTM D5185(m)		3	0	0
Boron	ppm	ASTM D5185(m)		<1	0	<1
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		0	0	0
Calcium	ppm	ASTM D5185(m)		1	<1	0
Phosphorus	ppm	ASTM D5185(m)		417	333	322
Zinc	ppm	ASTM D5185(m)		5	<1	<1
Sulfur	ppm	ASTM D5185(m)		568	383	368
Acid Number (AN)	mg KOH/g	ASTM D974*		0.14	0.18	0.21
Visc @ 40°C	cSt	ASTM D7279(m)	46	44.3	45.1	45.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0938231
Lab Number : 02635634
Unique Number : 5776787
Test Package : IND 2 (Additional Tests: KF)
Received : 15 May 2024
Tested : 17 May 2024
Diagnosed : 17 May 2024 - Kevin Marson

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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