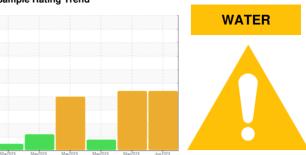


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

BONE CANNON 3

Hydraulic System

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component. 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.

The copper level is abnormal. All other component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. Free water present.

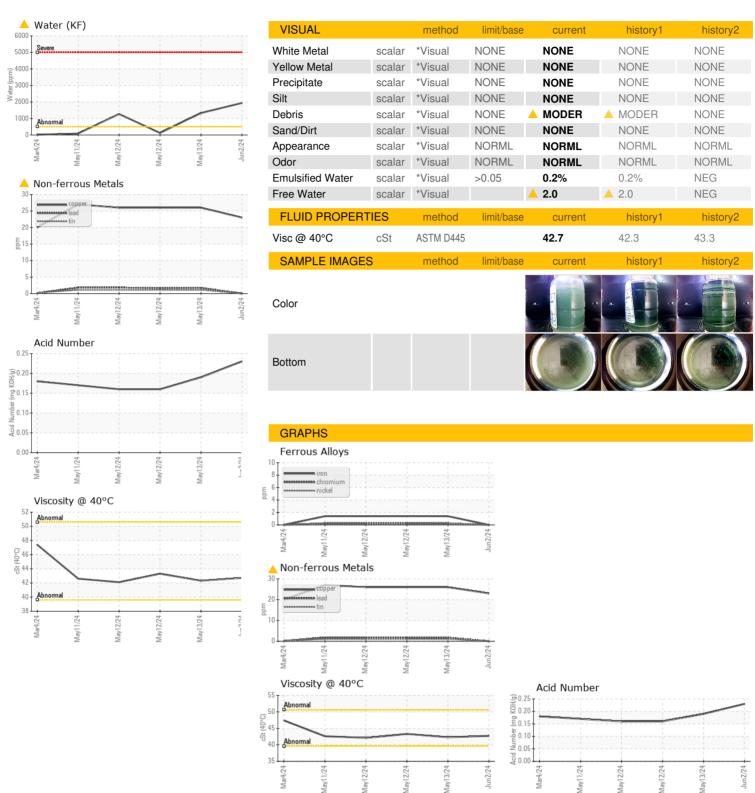
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Mar2024	May2024 May2024	May2024 May2024	Jun2024	`
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36402	USP0011885	USP0011888
Sample Date		Client Info		02 Jun 2024	13 May 2024	12 May 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	1	1
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>20	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	0	2	2
Lead	ppm	ASTM D5185m	>20	0	2	2
Copper	ppm	ASTM D5185m	>20	23	<u>^</u> 26	<u>^</u> 26
Tin	ppm	ASTM D5185m	>20	0	1	1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	1	1
Calcium	ppm	ASTM D5185m		24	23	24
Phosphorus	ppm	ASTM D5185m		209	206	202
Zinc	ppm	ASTM D5185m		177	166	169
Sulfur	ppm	ASTM D5185m		2958	3209	3110
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	2	1
Sodium	ppm	ASTM D5185m	0.0	12	8	9
Potassium	ppm	ASTM D5185m	>20	0	1	2
Water	%	ASTM D6304	>0.05	<u>^</u> 0.194	0.133	0.011
ppm Water	ppm	ASTM D6304	>500	<u>1940</u>	<u>1330</u>	120
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000			2768
Particles >6µm		ASTM D7647	>1300			591
Particles >14μm		ASTM D7647	>160			69
Particles >21μm		ASTM D7647	>40			25
Particles >38μm		ASTM D7647	>10			1
Particles >71μm		ASTM D7647	>3			0
Oil Cleanliness		ISO 4406 (c)	>19/17/14			19/16/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.23	0.19	0.16



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Test Package : IND 2

: USPM36402 Lab Number : 06197698 Unique Number : 11059821

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jun 2024

Tested : 05 Jun 2024

Diagnosed : 05 Jun 2024 - Doug Bogart

SMITHFIELD FOOD - TARHEEL

15855 HWY. 87 WEST TARHEEL, NC US 28392

Contact: SERVICE MANAGER

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)

T:

F: