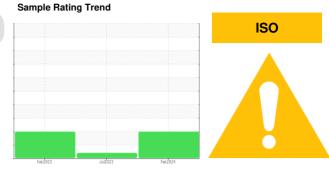


OIL ANALYSIS REPORT



Front Differential

{not provided} (--- GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

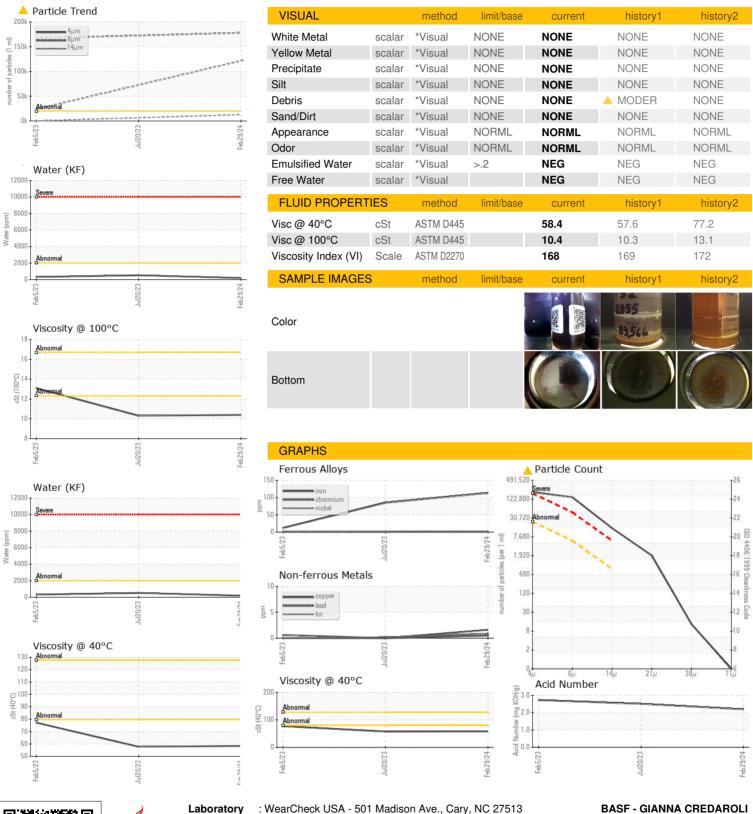
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0934511	WC0771187	WC0771172
Sample Date		Client Info		29 Feb 2024	20 Jul 2023	05 Feb 2023
Machine Age	mls	Client Info		142245	83566	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	113	85	12
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	0
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>100	2	0	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		238	231	274
Barium	ppm	ASTM D5185m		0	0	4
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		5	4	4
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		3	2	6
Phosphorus	ppm	ASTM D5185m		1681	1602	1318
Zinc	ppm	ASTM D5185m		3	0	7
Sulfur	ppm	ASTM D5185m		25792	27957	21829
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	20	16	13
Sodium	ppm	ASTM D5185m		3	1	5
Potassium	ppm	ASTM D5185m	>20	2	0	1
Water	%	ASTM D6304	>.2	0.018	0.051	0.031
ppm Water	ppm	ASTM D6304	>2000	186	517.1	318.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	177957		▲ 167057
Particles >6µm		ASTM D7647	>5000	<u> </u>		<u>△</u> 23879
Particles >14µm		ASTM D7647	>640	12609		173
Particles >21µm		ASTM D7647	>160	1685		29
Particles >38μm		ASTM D7647	>40	11		1
Particles >71μm		ASTM D7647	>10	0		0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	25/24/21		▲ 25/22/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.19	2.51	2.73



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: WC0934511 Lab Number : 06180631

Unique Number : 11031957

Diagnosed : 18 May 2024 - Jonathan Hester Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI)

Received

Tested

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.

: 15 May 2024

: 17 May 2024

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: bastarhd [WUSCAR] 06180631 (Generated: 05/18/2024 16:35:04) Rev: 1

Contact/Location: GIANNA CREDAROLI - BASTARHD

US 10591

T:

F:

500 WHITE PLAINS RD

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TARRYTOWN, NY