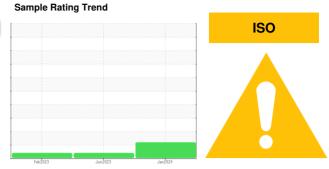


OIL ANALYSIS REPORT



Rear Differential

{not provided} (--- GAL)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

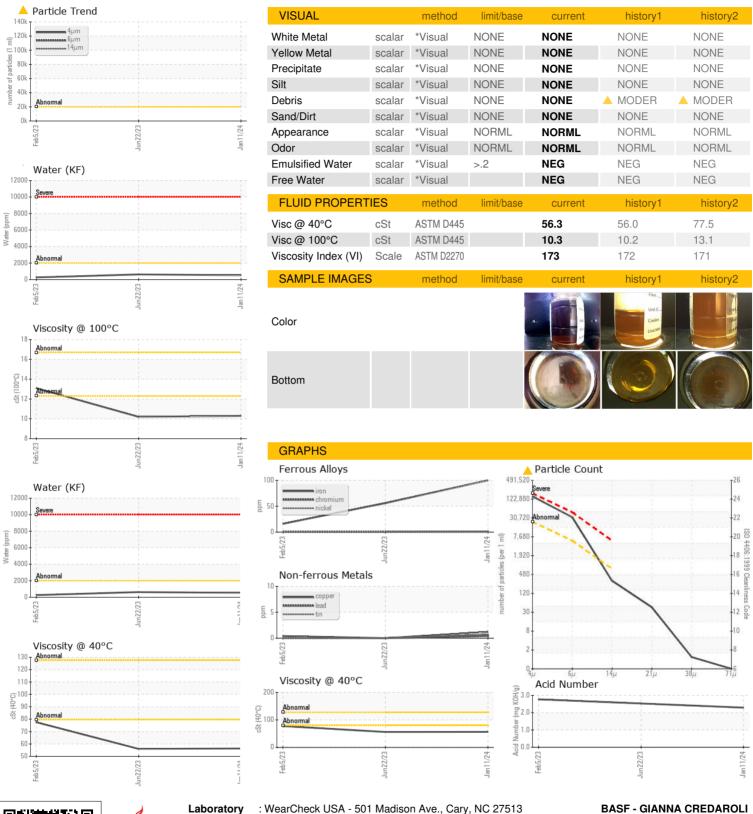
Fluid Condition

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		WC0934508	WC0771185	WC0771171
Sample Date		Client Info		11 Jan 2024	22 Jun 2023	05 Feb 2023
Machine Age	mls	Client Info		160595	59778	0
Oil Age	mls	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	>500	100	56	16
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	1	0	<1
Tin	ppm	ASTM D5185m	>10	<1	0	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		294	295	275
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		7	6	7
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		3	<1	5
Phosphorus	ppm	ASTM D5185m		1665	1637	1301
Zinc	ppm	ASTM D5185m		2	0	5
Sulfur	ppm	ASTM D5185m		28455	31643	22521
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	9	7	10
Sodium	ppm	ASTM D5185m		3	1	4
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water	%	ASTM D6304	>.2	0.052	0.062	0.026
ppm Water	ppm	ASTM D6304	>2000	525	627.0	260.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	128734		
Particles >6µm		ASTM D7647	>5000	28057		
Particles >14µm		ASTM D7647	>640	265		
Particles >21µm		ASTM D7647	>160	38		
Particles >38μm		ASTM D7647	>40	1		
Particles >71μm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>4</u> 24/22/15		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.29	2.53	2.77



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

Lab Number

Unique Number : 11031975

: WC0934508 : 06180649

Received **Tested**

: 15 May 2024 : 17 May 2024

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

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.

gianna.credaroli@basf.com Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

US 10591

T:

F:

500 WHITE PLAINS RD

Contact: GIANNA CREDAROLI

TARRYTOWN, NY