

OIL ANALYSIS REPORT

NOT GIVEN (--- GAL)

Component **Rear Differential**

Sample Rating Trend ISO

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates of elemental data.

Wear

All component wear rates are normal.

Contamination

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

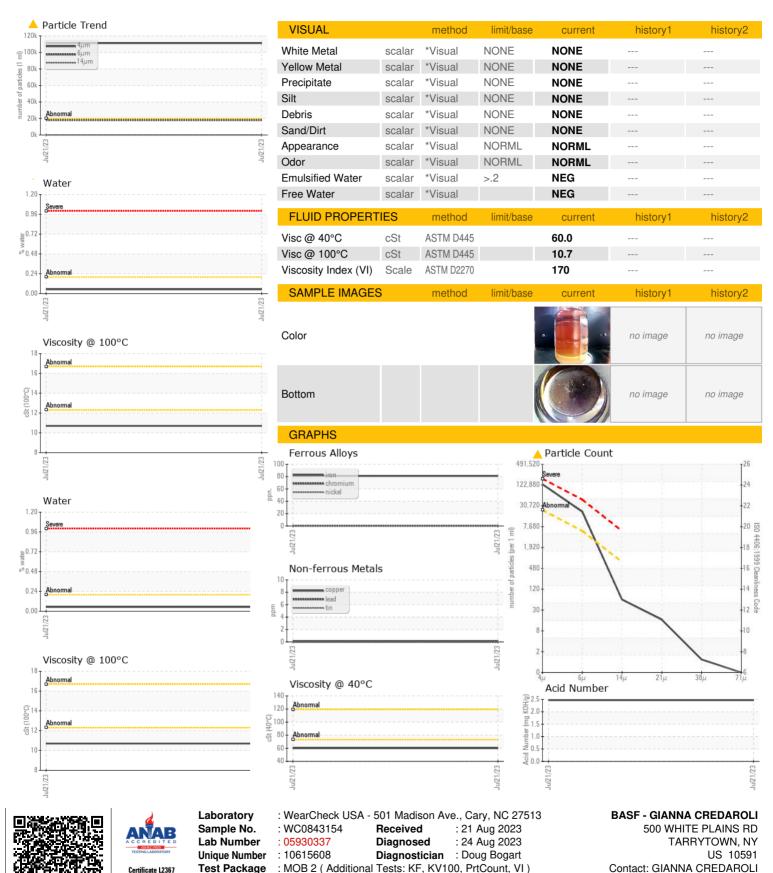
Fluid Condition

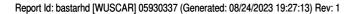
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

				Jul2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0843154		
Sample Date		Client Info		21 Jul 2023		
Machine Age	mls	Client Info		76715		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	81		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>100	<1		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		282		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		7		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		1523		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		25056		
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	7		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>.2	0.051		
ppm Water	ppm	ASTM D6304	>2000	517.7		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<u> </u>		
Particles >6µm		ASTM D7647	>5000	<u> </u>		
Particles >14μm		ASTM D7647	>640	53		
Particles >21μm		ASTM D7647	>160	14		
Particles >38μm		ASTM D7647	>40	1		
Particles >71μm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>4</u> 24/21/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.47		



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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)

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