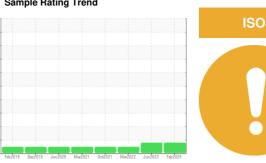


# **OIL ANALYSIS REPORT**

Sample Rating Trend



# METRO **METRO 20001**

**Front Differential** 

{not provided} (--- GAL)

### 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 moderate amount of silt (particulates < 6 microns in size) present in the oil.

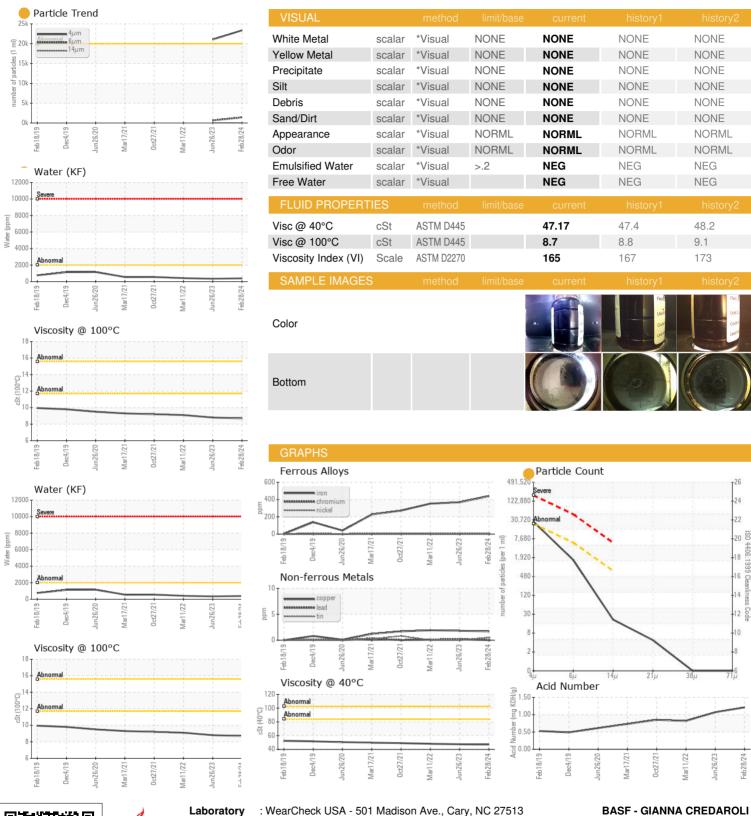
### **Fluid Condition**

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

		Feb2019 C	Jun 2020 Mar 20	121 Oct2021 Mar2022 Jun2023	3 Feb2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0934469	WC0828737	WC0682394
Sample Date		Client Info		28 Feb 2024	26 Jun 2023	11 Mar 2022
Machine Age	mls	Client Info		441410	355229	265136
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	439	368	353
Chromium	ppm	ASTM D5185m	>10	3	3	3
Nickel	ppm	ASTM D5185m	>10	3	2	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	3	3
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm	ASTM D5185m	>100	2	2	2
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m	>5			
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		55	55	57
Barium	ppm	ASTM D5185m		2	2	0
Molybdenum	ppm	ASTM D5185m		<1	2	<1
Manganese	ppm	ASTM D5185m		9	8	8
Magnesium	ppm	ASTM D5185m		158	151	169
Calcium	ppm	ASTM D5185m		6	6	4
Phosphorus	ppm	ASTM D5185m		1692	1618	1801
Zinc	ppm	ASTM D5185m		9	11	5
Sulfur	ppm	ASTM D5185m		27728	24233	19689
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	56	52	47
Sodium	ppm	ASTM D5185m		9	4	6
Potassium	ppm	ASTM D5185m	>20	5	5	4
Water	%	ASTM D6304	>.2	0.039	0.033	0.041
ppm Water	ppm	ASTM D6304	>2000	393	335.2	419.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>23370</b>	21046	
Particles >6µm		ASTM D7647	>5000	1414	643	
Particles >14μm		ASTM D7647	>640	18	27	
Particles >21µm		ASTM D7647	>160	4	9	
Particles >38µm		ASTM D7647	>40	0	0	
Particles >71μm		ASTM D7647	>10	0	0	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>22/18/11</b>	22/17/12	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: WC0934469 Lab Number : 06179391 Unique Number : 11030717

Received : 14 May 2024 **Tested** : 21 May 2024 Diagnosed

: 21 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.

 $^st$  - 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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