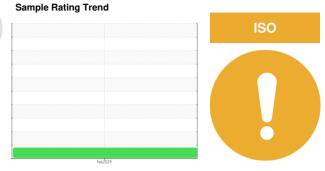


**OIL ANALYSIS REPORT** 

METRO Machine Id **METRO 25011** 

Rear Differential

{not provided} (--- GAL)



### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

All component wear rates are normal.

## Contamination

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

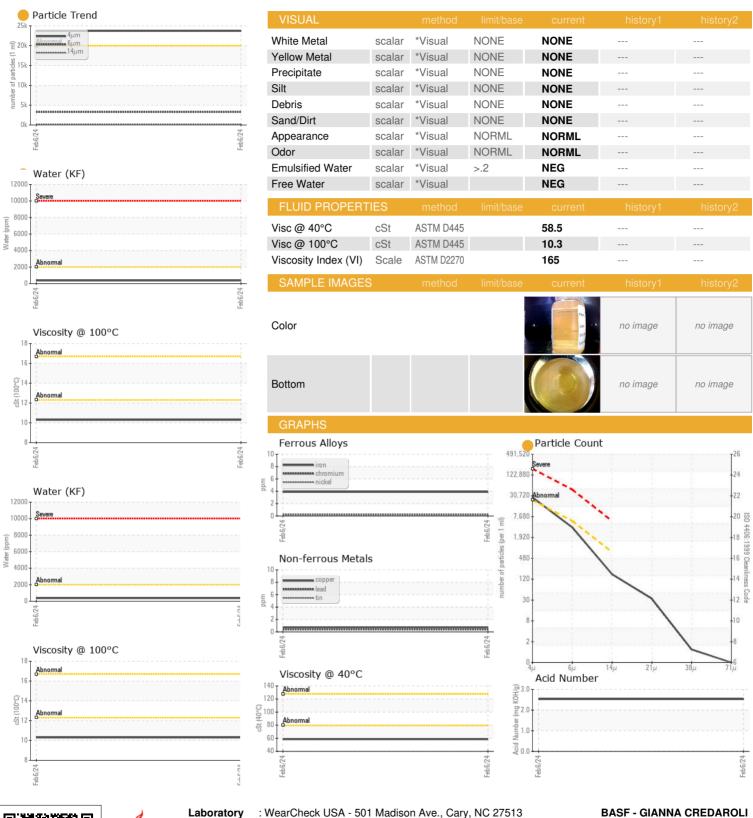
### **Fluid Condition**

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0934542		
Sample Date		Client Info		06 Feb 2024		
Machine Age	mls	Client Info		5		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	4		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		1		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	<1		
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		310		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		2		
Calcium	ppm	ASTM D5185m		2		
Phosphorus	ppm	ASTM D5185m		1693		
Zinc	ppm	ASTM D5185m		3		
Sulfur	ppm	ASTM D5185m		28283		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	2		
Sodium	ppm	ASTM D5185m		- <1		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>.2	0.036		
ppm Water	ppm	ASTM D6304	>2000	366		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>23717</b>		
Particles >6µm		ASTM D7647	>5000	3292		
Particles >14µm		ASTM D7647	>640	147		
Particles >21µm		ASTM D7647	>160	29		
Particles >38µm		ASTM D7647	>40	1		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	22/19/14		
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.53		



# **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No.

: WC0934542 Lab Number : 06180636

Received **Tested** Unique Number : 11031962

: 17 May 2024 : 18 May 2024 - Jonathan Hester Diagnosed

: 15 May 2024

Test Package : MOB 2 ( Additional Tests: KF, KV100, PrtCount, VI ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

US 10591 Contact: GIANNA CREDAROLI gianna.credaroli@basf.com

 $^st$  - 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)

T:

F:

500 WHITE PLAINS RD

TARRYTOWN, NY