

## **OIL ANALYSIS REPORT**

Sample Rating Trend



**METRO 21032** Component Transmission (Manual) Elui

NOT GIVEN (--- GAL)

### DIAGNOSIS

Area METRO

#### A Recommendation

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

#### A Wear

The aluminum level is abnormal. All other component wear rates are normal.

#### Contamination

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

#### Fluid Condition

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

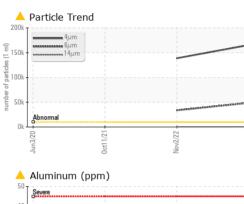
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0843163	WC0765842	WC0631729
Sample Date		Client Info		10 Aug 2023	02 Nov 2022	11 Oct 2021
Machine Age	mls	Client Info		326717	271568	151794
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	91	82	62
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>7	0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>▲</b> 32	<b>A</b> 29	20
Lead	ppm	ASTM D5185m	>45	0	0	<1
Copper	ppm	ASTM D5185m	>225	12	18	8
Tin	ppm	ASTM D5185m	>10	11	10	8
Antimony	ppm	ASTM D5185m	-			0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ppin		lingit/lease	-		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		31	32	33
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		370	397	379
Manganese	ppm	ASTM D5185m		7	6	5
Magnesium	ppm	ASTM D5185m		2	3	4
Calcium	ppm	ASTM D5185m		13	21	13
Phosphorus	ppm	ASTM D5185m		844	904	867
Zinc	ppm	ASTM D5185m		22	20	6
Sulfur	ppm	ASTM D5185m		13347	15252	10943
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	21	23	21
Sodium	ppm	ASTM D5185m		2	0	2
Potassium	ppm	ASTM D5185m	>20	4	5	3
Water	%	ASTM D6304	>0.1	0.018	0.020	0.020
ppm Water	ppm	ASTM D6304		185.4	207.1	205.7
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>165381</b>	▲ 138730	
Particles >6μm		ASTM D7647	>2500	<b>48759</b>	▲ 33629	
Particles >14µm		ASTM D7647	>320	269	224	
		ASTM D7647	>80	30	30	
Particles >21µm		ASTM D7647	>20	1	1	
		ASTIVI D7047				
Particles >21µm Particles >38µm Particles >71µm				0	0	
		ASTM D7647 ASTM D7647 ISO 4406 (c)		0 <b>25/23/15</b>	0	
Particles >38µm Particles >71µm	TION	ASTM D7647	>4	-		

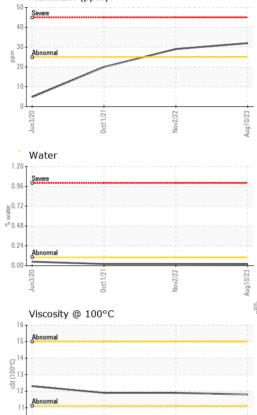
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Contact/Location: GIANNA CREDAROLI - BASTARHD



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0.96

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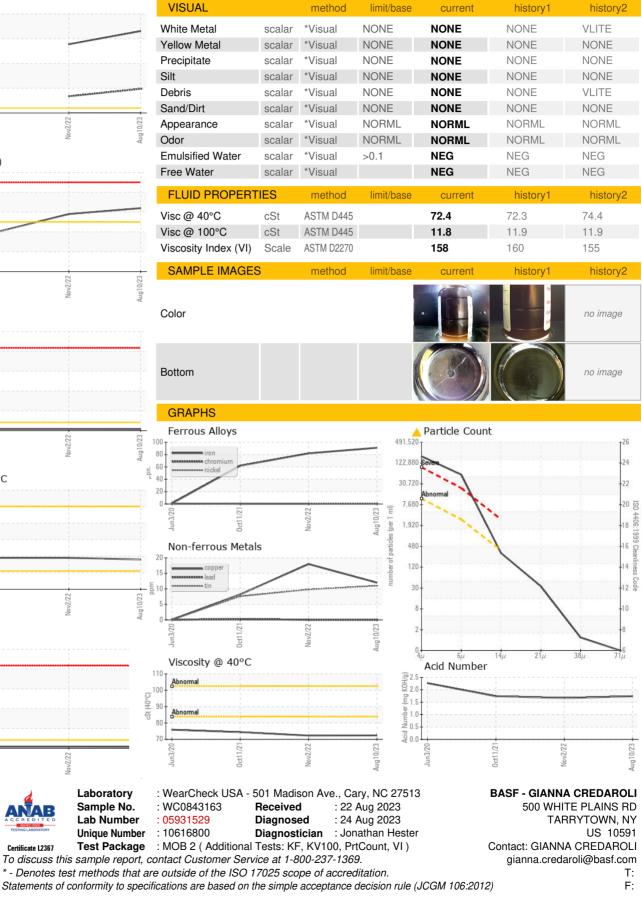
0.2

0.0

回清

Water

Abnorma



Certificate L2367

Vov2/22 -