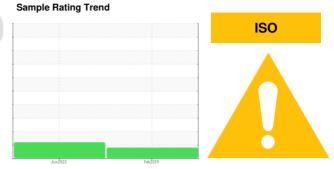


# **OIL ANALYSIS REPORT**

Area COWAN **COWAN 224526** 

**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.

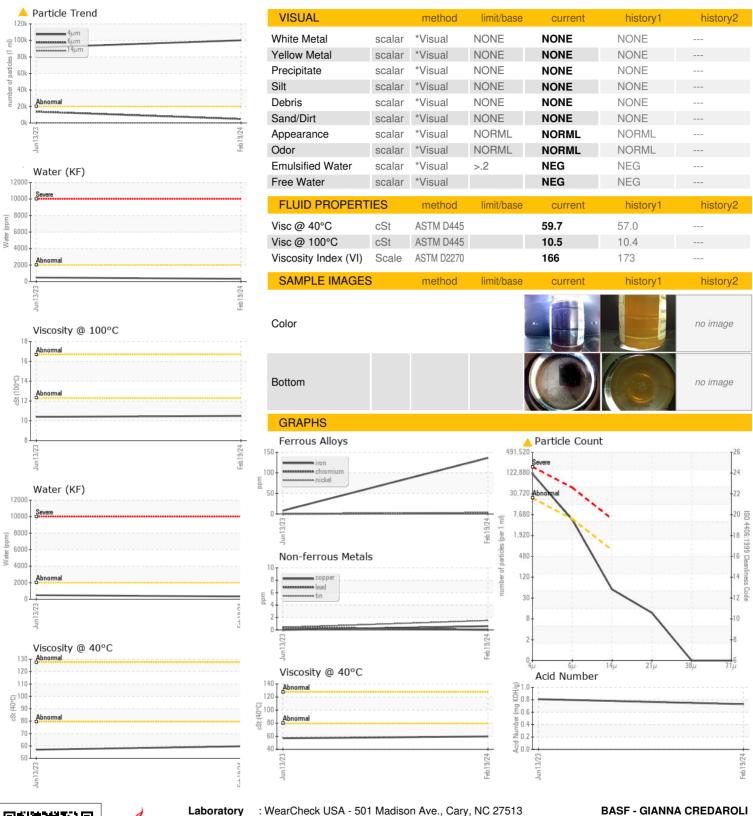
### **Fluid Condition**

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

			Junzuza	H802UZ4		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900732	WC0828677	
Sample Date		Client Info		19 Feb 2024	13 Jun 2023	
Machine Age	mls	Client Info		50191	541	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	136	8	
Chromium	ppm	ASTM D5185m	>10	2	<1	
Nickel	ppm	ASTM D5185m	>10	3	<1	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	1	0	
Lead	ppm	ASTM D5185m	>25	0	<1	
Copper	ppm	ASTM D5185m	>100	<1	0	
Tin	ppm	ASTM D5185m	>10	2	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		127	117	
Barium	ppm	ASTM D5185m		1	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		7	1	
Magnesium	ppm	ASTM D5185m		146	176	
Calcium	ppm	ASTM D5185m		7	1	
Phosphorus	ppm	ASTM D5185m		1736	1785	
Zinc	ppm	ASTM D5185m		5	0	
Sulfur	ppm	ASTM D5185m		29837	32491	
CONTAMINANTS	<b>,</b>	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	23	6	
Sodium	ppm	ASTM D5185m		3	1	
Potassium	ppm	ASTM D5185m	>20	2	2	
Water	%	ASTM D6304	>.2	0.033	0.049	
ppm Water	ppm	ASTM D6304	>2000	336	492.7	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<u> </u>	<u></u> 91503	
Particles >6µm		ASTM D7647	>5000	4819	<u>▲</u> 13708	
Particles >14μm		ASTM D7647	>640	47	175	
Particles >21μm		ASTM D7647	>160	10	29	
Particles >38μm		ASTM D7647	>40	0	0	
Particles >71μm		ASTM D7647	>10	0	0	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>4</u> 24/19/13	<b>2</b> 4/21/15	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.73	0.81	



## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory

Sample No.

: WC0900732 Lab Number : 06179368

Unique Number : 11030694

Received : 14 May 2024 **Tested** : 16 May 2024 Diagnosed

: 16 May 2024 - Angela Borella

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.

500 WHITE PLAINS RD

TARRYTOWN, NY US 10591

Contact: GIANNA CREDAROLI gianna.credaroli@basf.com

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:

F: