

OIL ANALYSIS REPORT

MET EXPRESS **MET EXPRESS 24002**

Component

Front Differential

NOT GIVEN (--- GAL)

Sample Rating Trend



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. No other contaminants were detected in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

			Mar2023	Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0843130	WC0797136	
Sample Date		Client Info		13 Nov 2023	09 Mar 2023	
Machine Age	mls	Client Info		75315	2208	
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	142	63	
Chromium	ppm	ASTM D5185m	>10	<1	1	
Nickel	ppm	ASTM D5185m	>10	0	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	<1	0	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m	>100	<1	<1	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		437	546	
Barium	ppm	ASTM D5185m		3	5	
Molybdenum	ppm	ASTM D5185m		0	<1	
Manganese	ppm	ASTM D5185m		12	14	
Magnesium	ppm	ASTM D5185m		2	2	
Calcium	ppm	ASTM D5185m		14	13	
Phosphorus	ppm	ASTM D5185m		2051	1978	
Zinc	ppm	ASTM D5185m		12	9	
Sulfur	ppm	ASTM D5185m		22706	24239	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	52	20	
Sodium	ppm	ASTM D5185m		9	9	
Potassium	ppm	ASTM D5185m	>20	<1	3	
Water	%	ASTM D6304	>.2	0.040	0.031	
ppm Water	ppm	ASTM D6304	>2000	406.8	319.7	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	95735	<u>4243486</u>	
Particles >6µm		ASTM D7647	>5000	<u>^</u> 7241	29830	
Particles >14µm		ASTM D7647	>640	119	59	
Particles >21µm		ASTM D7647	>160	25	4	
Particles >38µm		ASTM D7647	>40	1	0	
Particles >71µm		ASTM D7647	>10	1	0	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	24/20/14	<u>△</u> 25/22/13	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	VOII/-	ΔSTM D8045		3 13	3 25	

Acid Number (AN)

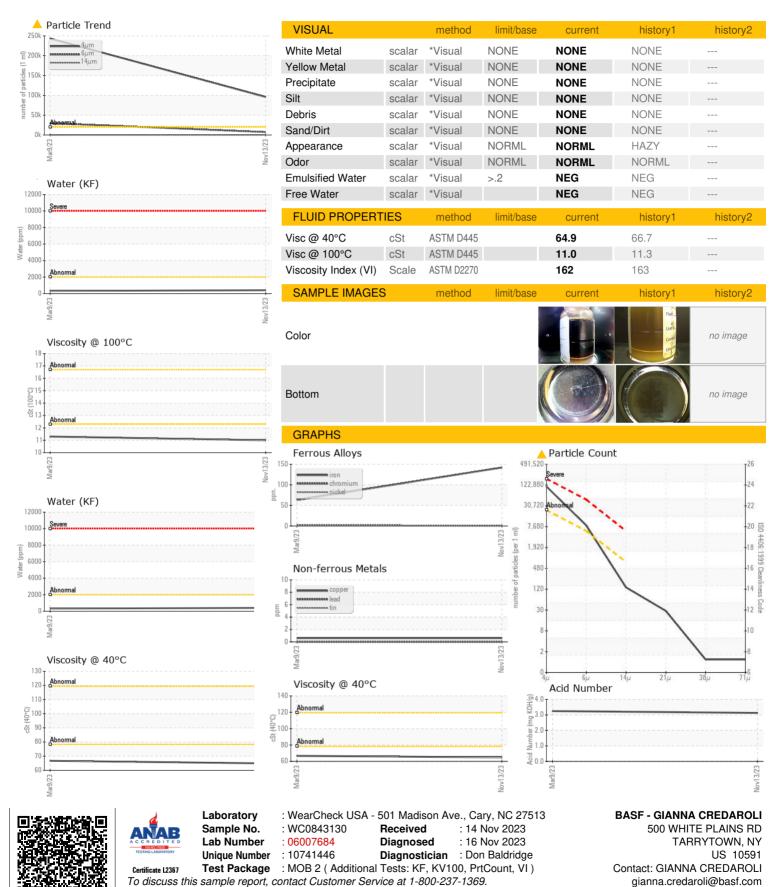
mg KOH/g ASTM D8045

3.25

3.13



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* - 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: