

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area METRO Machine Id METRO 23008 Component

Transmission Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

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

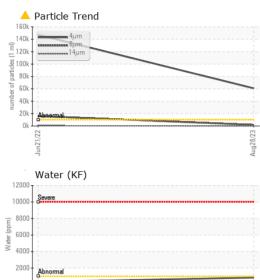
Fluid Condition

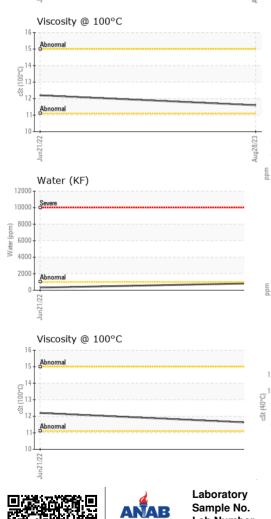
The AN level is acceptable for this fluid. The fluid is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

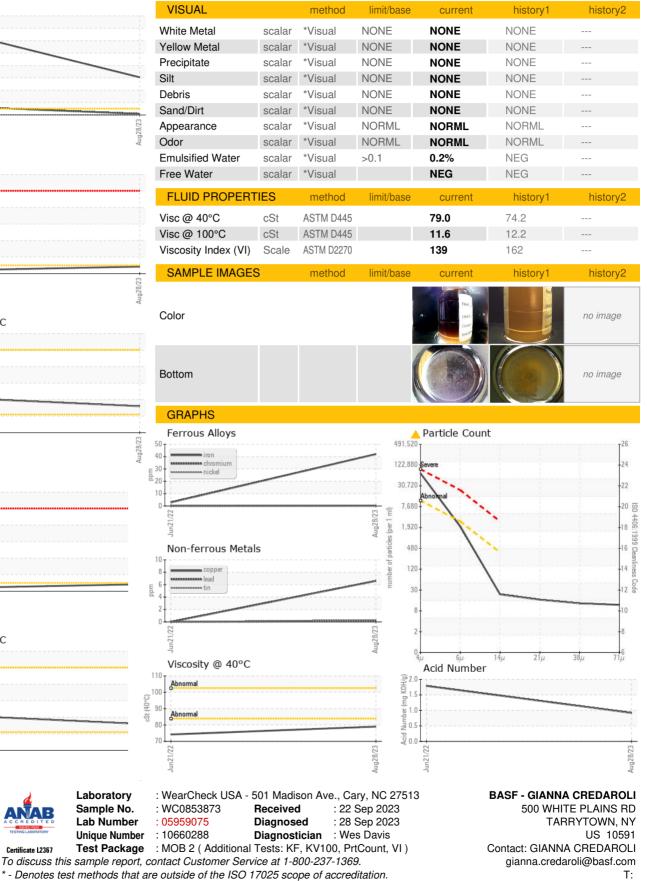
Oil Age Oil Changed Sample Status WEAR METALS Iron Chromium Nickel Titanium	mls mls ppm	Client Info Client Info Client Info Client Info Client Info method	limit/base	WC0853873 28 Aug 2023 92113 0 N/A ABNORMAL	WC0728448 21 Jun 2022 2148 0 N/A	
Machine Age Oil Age Oil Changed Sample Status WEAR METALS Iron Chromium Nickel Titanium	mls ppm	Client Info Client Info Client Info method	limit/base	92113 0 N/A	2148 0 N/A	
Oil Age Oil Changed Sample Status WEAR METALS Iron Chromium Nickel Titanium	mls ppm	Client Info Client Info method	limit/base	0 N/A	0 N/A	
Oil Changed Sample Status WEAR METALS Iron Chromium Nickel Titanium	ppm	Client Info method	limit/base	N/A	N/A	
Sample Status WEAR METALS Iron Chromium Nickel Titanium		method	limit/base			
Sample Status WEAR METALS Iron Chromium Nickel Titanium			limit/base	ABNORMAL		
Iron Chromium I Nickel I Titanium I			limit/base		ABNORMAL	
Chromium Nickel Titanium			initia base	current	history1	history2
Chromium Nickel Titanium		ASTM D5185m	>200	42	3	
Nickel		ASTM D5185m	>10	<1	0	
Titanium	ppm	ASTM D5185m		0	0	
	ppm	ASTM D5185m		0	0	
	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>50	8	2	
		ASTM D5185m	>50	۰ ۱	0	
	ppm	ASTM D5185m	>200	7	0	
	ppm	ASTM D5185m	>200	، <1	0	
	ppm		>10			
	ppm ppm	ASTM D5185m ASTM D5185m		0	0	
ADDITIVES	ppin	method	limit/base	current	history1	history2
_			IIIIII Dase		30	
	ppm	ASTM D5185m		11 2	0	
	ppm	ASTM D5185m		_		
	ppm	ASTM D5185m		315	299	
5	ppm	ASTM D5185m		1	0	
	ppm	ASTM D5185m		1	0	
	ppm	ASTM D5185m		303	530	
Phosphorus	ppm	ASTM D5185m		852	1024	
Zinc	ppm	ASTM D5185m		3	0	
Sulfur	ppm	ASTM D5185m		12479	14056	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	11	6	
Sodium	ppm	ASTM D5185m		0	<1	
Potassium	ppm	ASTM D5185m	>20	2	0	
Water	%	ASTM D6304	>0.1	0.084	0.032	
ppm Water	ppm	ASTM D6304	>1000	840	322.3	
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<u> </u>	▲ 147265	
Particles >6µm		ASTM D7647	>2500	1806	1 6009	
Particles >14µm		ASTM D7647	>320	20	▲ 535	
Particles >21µm		ASTM D7647	>80	14	9 3	
Particles >38µm		ASTM D7647	>20	11	5	
Particles >71µm		ASTM D7647	>4	<u> </u>	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 23/18/11	▲ 24/21/16	
FLUID DEGRADAT		method	limit/base	current	history1	history2
	mg KOH/g	ASTM D8045		0.92	1.79	



OIL ANALYSIS REPORT







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

Certificate L2367

F: