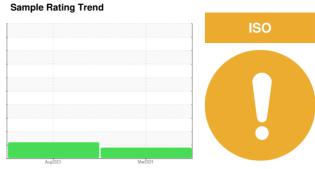


OIL ANALYSIS REPORT

DAYTON FREIGHT **DAYTON FREIGHT 423807**

Front 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.

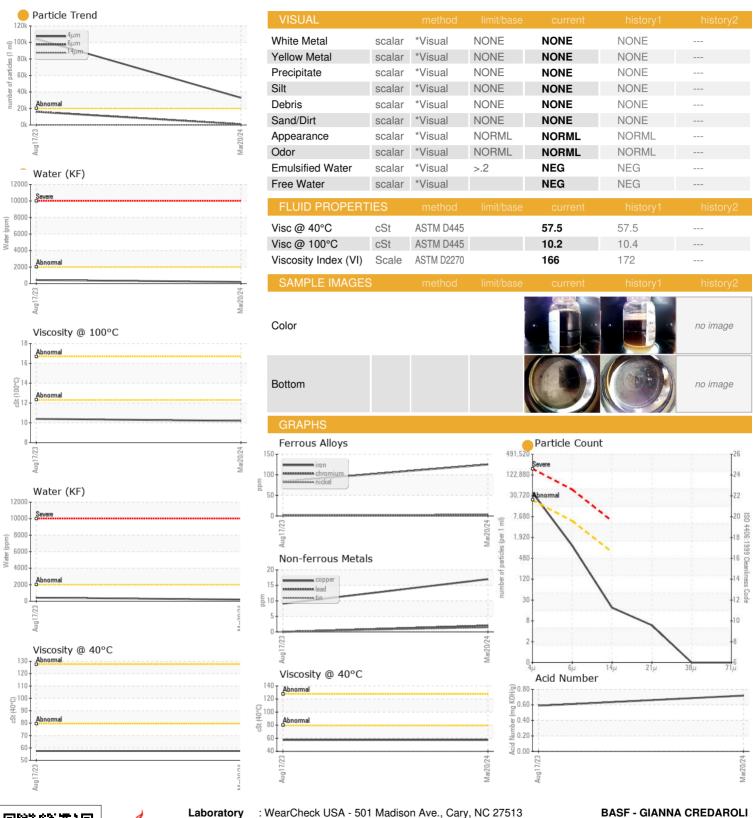
Fluid Condition

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

			Aug2023	Marzuz4		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900804	WC0853844	
Sample Date		Client Info		20 Mar 2024	17 Aug 2023	
Machine Age	mls	Client Info		103791	25287	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ATTENTION	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	125	84	
Chromium	ppm	ASTM D5185m	>10	2	1	
Nickel	ppm	ASTM D5185m	>10	4	2	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	2	0	
Lead	ppm	ASTM D5185m	>25	2	0	
Copper	ppm	ASTM D5185m	>100	17	9	
Tin	ppm	ASTM D5185m	>10	1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		103	114	
Barium	ppm	ASTM D5185m		2	<1	
Molybdenum	ppm	ASTM D5185m		<1	0	
Manganese	ppm	ASTM D5185m		7	6	
Magnesium	ppm	ASTM D5185m		176	194	
Calcium	ppm	ASTM D5185m		13	10	
Phosphorus	ppm	ASTM D5185m		1774	1822	
Zinc	ppm	ASTM D5185m		6	1	
Sulfur	ppm	ASTM D5185m		27323	30430	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	28	24	
Sodium	ppm	ASTM D5185m		3	3	
Potassium	ppm	ASTM D5185m	>20	1	0	
Water	%	ASTM D6304	>.2	0.020	0.042	
ppm Water	ppm	ASTM D6304	>2000	205	426.1	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	32931	▲ 104352	
Particles >6μm		ASTM D7647	>5000	968	<u>▲</u> 15998	
Particles >14μm		ASTM D7647	>640	16	86	
Particles >21µm		ASTM D7647		5	16	
Particles >38μm		ASTM D7647	>40	0	0	
Particles >71μm		ASTM D7647	>10	0	0	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>22/17/11</u>	<u>4</u> 24/21/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.72	0.59	



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No. Lab Number

: WC0900804 : 06148067 Unique Number : 10978145

Received **Tested** Diagnosed

: 17 Apr 2024 - Jonathan Hester 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.

US 10591 Contact: GIANNA CREDAROLI

gianna.credaroli@basf.com T:

500 WHITE PLAINS RD

TARRYTOWN, NY

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

: 12 Apr 2024

: 15 Apr 2024

F: