

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area WALPOLE Machine Id 136 - WALPOLE Front Differential Fluid

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. 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 high amount of silt (particulates < 14 microns in size) present in the oil.

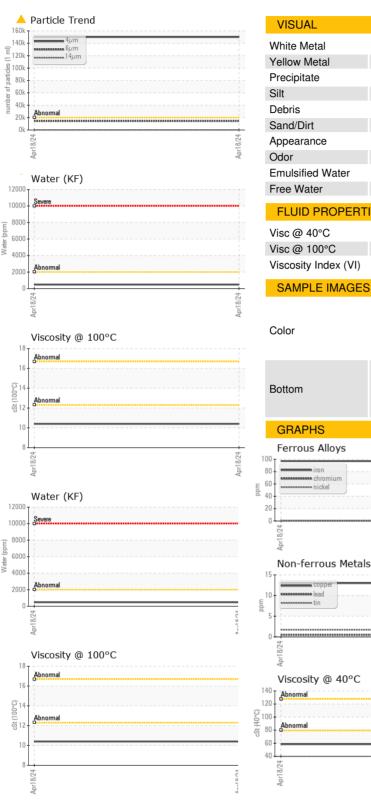
Fluid Condition

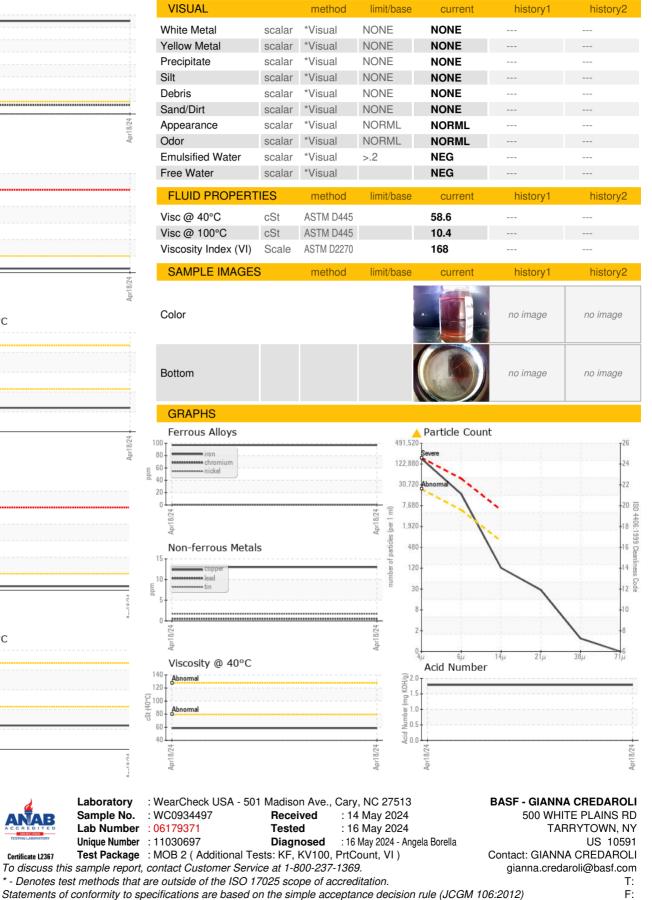
The AN level is acceptable for this fluid.

Sample Number Sample Date Machine Age		method	limit/base	current	history1	history2
-		Client Info		WC0934497		
Machine Age		Client Info		18 Apr 2024		
	mls	Client Info		42424		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	97		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	- <1		
Copper	ppm	ASTM D5185m		13		
Tin	ppm	ASTM D5185m	>10	2		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		231		
Barium	ppm	ASTM D5185m		3		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		6		
Magnesium	ppm	ASTM D5185m		42		
Calcium	ppm	ASTM D5185m		6		
Phosphorus	ppm	ASTM D5185m		1668		
Zinc	ppm	ASTM D5185m		11		
Sulfur	ppm	ASTM D5185m		30384		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	33		
	ppm ppm	ASTM D5185m ASTM D5185m	>75	33 4		
Silicon Sodium Potassium			>75 >20			
Sodium Potassium	ppm	ASTM D5185m	>20	4		
Sodium Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m	>20 >.2	4 3		
Sodium Potassium Water	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304	>20 >.2	4 3 0.048		
Sodium Potassium Water ppm Water	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304	>20 >.2 >2000	4 3 0.048 481		
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method	>20 >.2 >2000 limit/base	4 3 0.048 481 current		
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	>20 >.2 >2000 limit/base >20000	4 3 0.048 481 <u>current</u> ▲ 150090	 history1 	
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647	>20 >.2 >2000 limit/base >20000 >5000	4 3 0.048 481 <u>current</u> ▲ 150090 ▲ 14497	 history1 	
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647 ASTM D7647	>20 >.2 >2000 limit/base >20000 >5000 >640	4 3 0.048 481 ▲ 150090 ▲ 14497 108	 history1 	 history2
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >.2 >2000 limit/base >20000 >5000 >5000 >640 >160 >40	4 3 0.048 481	 history1 	 history2
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >.2 >2000 limit/base >20000 >5000 >5000 >640 >160 >40	4 3 0.048 481	 history1 	 history2
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm % ppm VESS	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >.2 >2000 limit/base >20000 >5000 >5000 >640 >160 >40 >10	4 3 0.048 481 <urrent ▲ 150090 ▲ 14497 108 25 1 0</urrent 	 history1 	 history2



OIL ANALYSIS REPORT





Report Id: bastarhd [WUSCAR] 06179371 (Generated: 05/16/2024 19:16:02) Rev: 1

Certificate 12367

Laboratory

Sample No.

Lab Number

Unique Number : 11030697

: 06179371

Contact/Location: GIANNA CREDAROLI - BASTARHD