

OIL ANALYSIS REPORT

Area
WALPOLE
Machine id 133 - WALPOLE

Rear Differential

{not provided} (--- GAL)

Sample Rating Trend ISO

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.

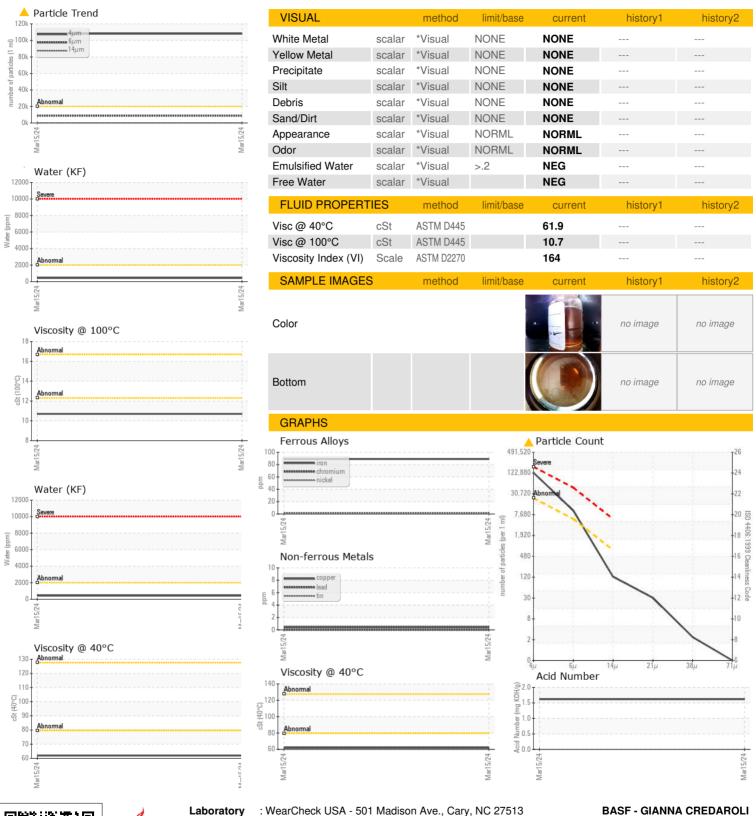
Fluid Condition

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

				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0934494		
Sample Date		Client Info		15 Mar 2024		
Machine Age	mls	Client Info		40773		
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	89		
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	0		
Copper	ppm	ASTM D5185m	>100	<1		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		212		
Barium	ppm	ASTM D5185m		2		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		7		
Magnesium	ppm	ASTM D5185m		61		
Calcium	ppm	ASTM D5185m		7		
Phosphorus	ppm	ASTM D5185m		1683		
Zinc	ppm	ASTM D5185m		13		
Sulfur	ppm	ASTM D5185m		30335		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	13		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>.2	0.042		
ppm Water	ppm	ASTM D6304		427		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<u> </u>		
Particles >6µm		ASTM D7647	>5000	8799		
Particles >14µm		ASTM D7647	>640	109		
Particles >21µm		ASTM D7647	>160	27		
Particles >38µm		ASTM D7647	>40	2		
Particles >71μm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	24/20/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.62		



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Certificate 12367

Laboratory Sample No.

Lab Number

: WC0934494 : 06179386 Unique Number : 11030712

Received **Tested** 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.

: 14 May 2024

: 16 May 2024

 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 T:

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

F: