

OIL ANALYSIS REPORT

WALPOLE Machine Id 134 - WALPOLE

Component

Rear Differential

GEAR OIL SAE 80 (--- GAL)

Sample Rating Trend

ISO

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

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. The condition of the oil is suitable for further service.

				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900837		
Sample Date		Client Info		07 Mar 2024		
Machine Age	mls	Client Info		38538		
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	107		
Chromium	ppm	ASTM D5185m	>10	1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>100	1		
Tin	ppm		>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	199		
Barium	ppm	ASTM D5185m	200	0		
Molybdenum	ppm	ASTM D5185m	12	<1		
Manganese	ppm	ASTM D5185m		6		
Magnesium	ppm	ASTM D5185m	12	60		
Calcium	ppm	ASTM D5185m	150	9		
Phosphorus	ppm	ASTM D5185m	1650	1663		
Zinc	ppm	ASTM D5185m	125	15		
Sulfur	ppm	ASTM D5185m	22500	27644		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	32		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304		0.042		
ppm Water	ppm	ASTM D6304	>2000	421		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	149160		
Particles >6µm		ASTM D7647	>5000	<u> </u>		
Particles >14µm		ASTM D7647	>640	189		
Particles >21µm		ASTM D7647	>160	51		
Particles >38µm		ASTM D7647	>40	4		
Particles >71µm		ASTM D7647	>10	1		
			- 10			
•		ISO 4406 (c)	>21/19/16	24/21/15		
Oil Cleanliness FLUID DEGRADA	TION	ISO 4406 (c)	>21/19/16 limit/base	△ 24/21/15 current	history1	history2

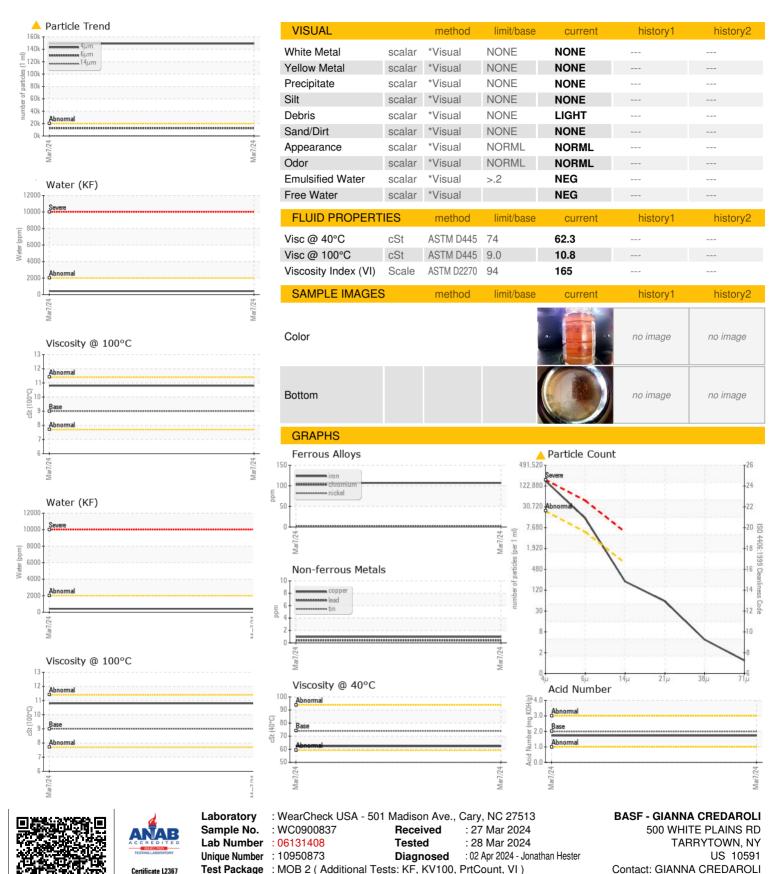
Acid Number (AN)

mg KOH/g ASTM D8045 2.00

1.73



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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

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