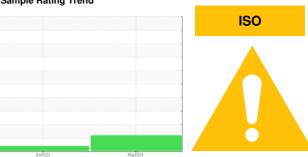


OIL ANALYSIS REPORT

Sample Rating Trend



Area WALPOLE Machine id **997 - WALPOLE**

Rear Differential

{not provided} (--- GAL)

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.

			0ct2023	Mar2024		
SAMPLE INFORM	AATION	method	limit/base	OLLEY O Int	hiotom/1	hiotom (O
	MATION		imit/base	current	history1	history2
Sample Number		Client Info		WC0934492	WC0876076	
Sample Date		Client Info		22 Mar 2024	16 Oct 2023	
Machine Age	mls	Client Info		55163	18684	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	93	98	
Chromium	ppm	ASTM D5185m	>10	<1	2	
Nickel	ppm	ASTM D5185m	>10	<1	<1	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>25	2	2	
Lead	ppm	ASTM D5185m	>25	0	<1	
Copper	ppm	ASTM D5185m	>100	<1	1	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		212	254	
Barium	ppm	ASTM D5185m		3	11	
Molybdenum	ppm	ASTM D5185m		0	<1	
Manganese	ppm	ASTM D5185m		5	6	
Magnesium	ppm	ASTM D5185m		63	78	
Calcium	ppm	ASTM D5185m		7	11	
Phosphorus	ppm	ASTM D5185m		1673	2046	
Zinc	ppm	ASTM D5185m		10	13	
Sulfur	ppm	ASTM D5185m		30071	33432	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	19	23	
Sodium	ppm	ASTM D5185m		4	2	
Potassium	ppm	ASTM D5185m	>20	2	2	
Water	%	ASTM D6304	>.2	0.042	0.036	
ppm Water	ppm	ASTM D6304	>2000	421	364	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	118026		
Particles >6µm		ASTM D7647	>5000	<u>^</u> 20901		
Particles >14μm		ASTM D7647	>640	87		
Particles >21µm		ASTM D7647	>160	11		
Particles >38μm		ASTM D7647	>40	3		
Particles >71µm		ASTM D7647	>10	1		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>4</u> 24/22/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A -! -! N! (ANI)		ACTM DODAE		1 66	4 40	

Acid Number (AN)

mg KOH/g ASTM D8045

1.49

1.66



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No. Lab Number

: WC0934492 : 06179404 Unique Number : 11030730

Received : 14 May 2024 **Tested** : 21 May 2024 Diagnosed : 21 May 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

500 WHITE PLAINS RD

TARRYTOWN, NY US 10591

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T: F: