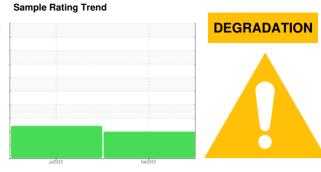


OIL ANALYSIS REPORT

Area **DICK LAVY DICK LAVY 4949**

Rear Differential

{not provided} (--- GAL)



DIAGNOSIS

Recommendation

The oil is near the end of it's useful service life. recommend schedule an oil change. We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

All component wear rates are normal.

Contamination

There is a moderate amount of visible silt present in the sample.

Fluid Condition

The AN level is at the top-end of the recommended

			Juizuz3	F60ZUZ4		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900812	WC0843204	
Sample Date		Client Info		15 Feb 2024	31 Jul 2023	
Machine Age	mls	Client Info		56404	6280	
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	107	36	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m	>10	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	2	3	
Lead	ppm	ASTM D5185m	>25	<1	0	
Copper	ppm	ASTM D5185m	>100	2	0	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		184	192	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		<1	0	
Manganese	ppm	ASTM D5185m		3	2	
Magnesium	ppm	ASTM D5185m		6	1	
Calcium	ppm	ASTM D5185m		19	13	
Phosphorus	ppm	ASTM D5185m		1234	1113	
Zinc	ppm	ASTM D5185m		7	0	
Sulfur	ppm	ASTM D5185m		29862	30514	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	18	16	
Sodium	ppm	ASTM D5185m		11	8	
Potassium	ppm	ASTM D5185m	>20	2	1	
Water	%	ASTM D6304	>.2	0.028	0.082	
ppm Water	ppm	ASTM D6304	>2000	290	827.6	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000		▲ 128907	
Particles >6µm		ASTM D7647	>5000		<u>^</u> 21801	
Particles >14µm		ASTM D7647	>640		97	
Particles >21µm		ASTM D7647	>160		20	
Particles >38µm		ASTM D7647	>40		2	
Particles >71µm		ASTM D7647	>10		0	
Oil Cleanliness		ISO 4406 (c)	>21/19/16		<u>4</u> 24/22/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	та КОЦ/а	ACTM DOOM		A 3.76	3 55	

Acid Number (AN)

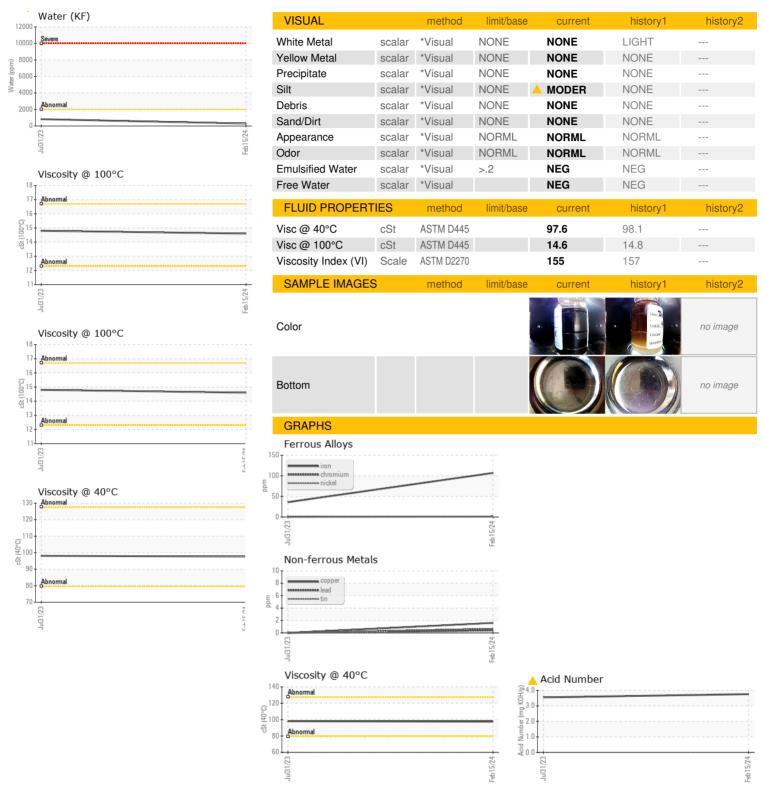
mg KOH/g ASTM D8045

3.55

3.76



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06148066

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0900812 Unique Number : 10978144

Received : 12 Apr 2024 **Tested** Diagnosed

: 17 Apr 2024

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

BASF - GIANNA CREDAROLI

500 WHITE PLAINS RD TARRYTOWN, NY

US 10591 Contact: GIANNA CREDAROLI gianna.credaroli@basf.com

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