

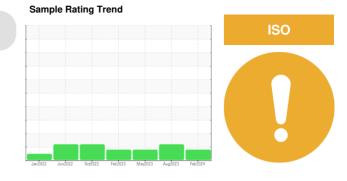
OIL ANALYSIS REPORT

DICK LAVY DICK LAVY 4864

Rear Differential

Fluid

Differential Oil (--- GAL)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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 moderate amount of silt (particulates < 6 microns in size) present in the oil.

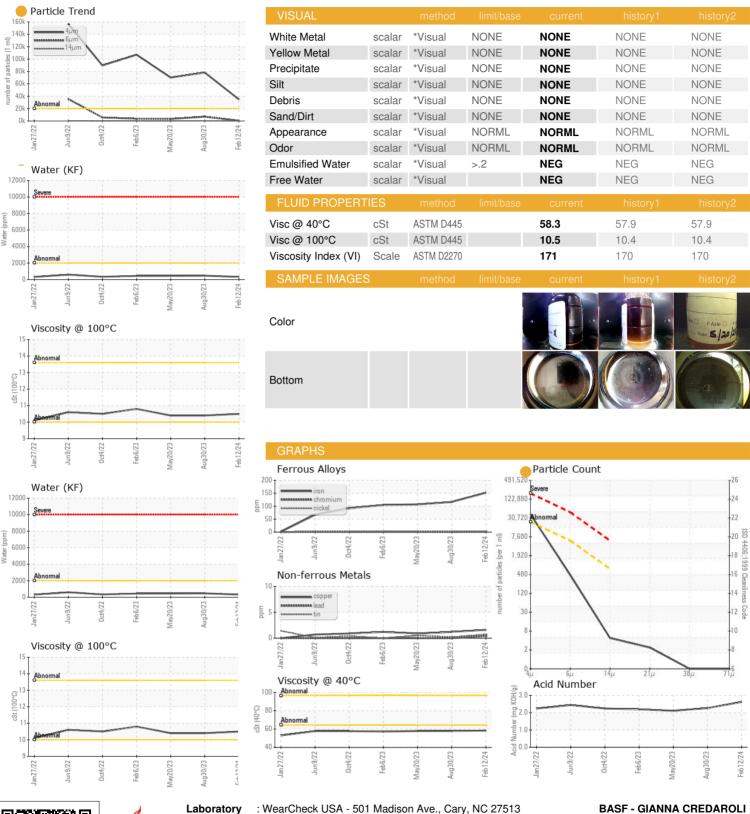
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900807	WC0853905	WC0828541
Sample Date		Client Info		12 Feb 2024	30 Aug 2023	20 May 2023
Machine Age	mls	Client Info		301134	237469	192818
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	152	116	107
Chromium	ppm	ASTM D5185m	>10	1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	2	1	<1
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>100	2	1	<1
Tin	ppm	ASTM D5185m	>10	- <1	<1	<1
Vanadium	ppm	ASTM D5185m	-	0	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		262	227	220
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		8	6	7
Magnesium	ppm	ASTM D5185m		6	1	<1
Calcium	ppm	ASTM D5185m		8	5	4
Phosphorus	ppm	ASTM D5185m		1633	1457	1531
Zinc	ppm	ASTM D5185m		4	0	2
Sulfur	ppm	ASTM D5185m		27463	22334	29205
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	28	24	15
Sodium	ppm	ASTM D5185m		2	3	2
Potassium	ppm	ASTM D5185m	>20	2	1	2
Water	%	ASTM D6304	>.2	0.032	0.047	0.045
ppm Water	ppm	ASTM D6304	>2000	327	471.4	450.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	34759	▲ 78136	▲ 70096
Particles >6µm		ASTM D7647	>5000	408	6958	3298
Particles >14µm		ASTM D7647	>640	4	177	11
Particles >21µm		ASTM D7647	>160	2	45	1
Particles >38µm		ASTM D7647	>40	0	3	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	22/16/9	△ 23/20/15	<u>△</u> 23/19/11
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.62	2.26	2.11



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0900807 Lab Number : 06148064 Unique Number : 10978142

Diagnosed

: 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.

Received

Tested

: 12 Apr 2024

: 15 Apr 2024

 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)

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