

OIL ANALYSIS REPORT

Sample Rating Trend



Area DICK LAVY DICK LAVY 4867 Component Front Differential

Fluid {not provided} (--- GAL)

DIAGNOSIS

A 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 < 6 microns in size) present in the oil.

Fluid Condition

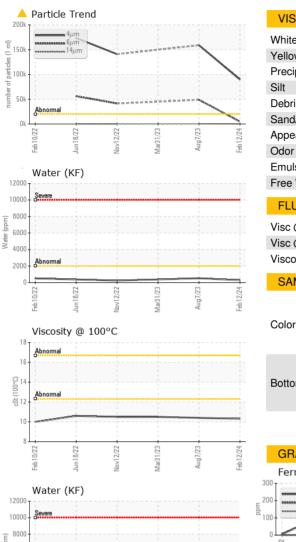
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

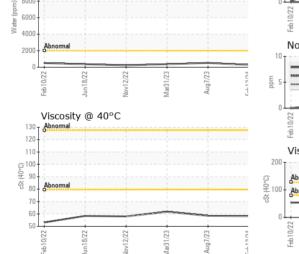
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900806	WC0843234	WC0815533
Sample Date		Client Info		12 Feb 2024	07 Aug 2023	31 Mar 2023
Machine Age	mls	Client Info		254134	197340	151959
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	238	201	158
Chromium	ppm	ASTM D5185m	>10	1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	2	2	0
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	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		199	227	219
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		8	7	6
Magnesium	ppm	ASTM D5185m		2	6	1
Calcium	ppm	ASTM D5185m		9	2	4
Phosphorus	ppm	ASTM D5185m		1518	1446	1402
Zinc	ppm	ASTM D5185m		6	6	6
Sulfur	ppm	ASTM D5185m		25999	25056	24680
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	37	27	17
Sodium	ppm	ASTM D5185m		2	3	0
Potassium	ppm	ASTM D5185m	>20	2	3	2
Water	%	ASTM D6304	>.2	0.028	0.052	0.037
ppm Water	ppm	ASTM D6304	>2000	285	520.5	372.5
FLUID CLEANLIN	1-1-		2000	200		
FLUID GLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		method ASTM D7647				
Particles >4μm Particles >6μm			limit/base >20000 >5000	current	history1	history2
Particles >4μm Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20000 >5000 >640	current ▲ 89775 4918 4	history1 ▲ 158972 ▲ 48759 465 	history2
Particles >4µm Particles >6µm Particles >14µm Particles >21µm		ASTM D7647 ASTM D7647	limit/base >20000 >5000	current ▲ 89775 4918	history1 ▲ 158972 ▲ 48759	history2
Particles >4μm Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20000 >5000 >640	current ▲ 89775 4918 4	history1 ▲ 158972 ▲ 48759 465 	history2
Particles >4µm Particles >6µm Particles >14µm Particles >21µm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20000 >5000 >640 >160 >40	current ▲ 89775 4918 4 2	history1	history2
Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20000 >5000 >640 >160 >40	current ▲ 89775 4918 4 2 0	history1	history2
Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ESS	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20000 >5000 >640 >160 >40 >10	Current ▲ 89775 4918 4 2 0 0 0	history1 ▲ 158972 ▲ 48759 465 57 1 0	history2

Contact/Location: GIANNA CREDAROLI - BASTARHD



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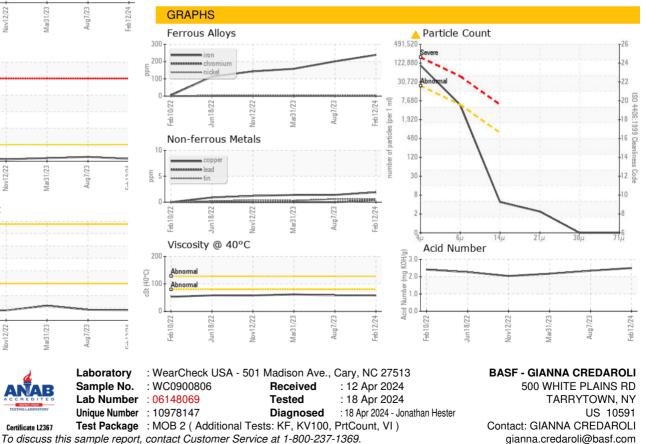


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lep.

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	🔺 MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		58.19	58.5	61.8
Visc @ 100°C	cSt	ASTM D445		10.3	10.4	10.5
Viscosity Index (VI)	Scale	ASTM D2270		167	168	159
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						Unit D

Bottom



* - 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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Certificate 12367

Contact/Location: GIANNA CREDAROLI - BASTARHD

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