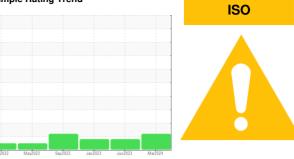


# **OIL ANALYSIS REPORT**

SAMPLE INFORMATION method

Sample Rating Trend

limit/base



current

history1

history2

Area DICK LAVY DICK LAVY 4861

Rear 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 < 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.

SAIVIELE INFURI		method	IIIIII/Dase	current	TIStory I	TIIStoryz
Sample Number		Client Info		WC0900813	WC0828772	WC0771152
Sample Date		Client Info		03 Mar 2024	15 Jun 2023	22 Jan 2023
Machine Age	mls	Client Info		257009	198845	151320
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
		una a tha a al	line it /le e e e		la la tament	history O
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	174	93	80
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	1	2
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>100	1	1	1
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		219	259	239
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		4	4	4
Magnesium	ppm	ASTM D5185m		2	1	1
Calcium	ppm	ASTM D5185m		8	1	4
Phosphorus	ppm	ASTM D5185m		1415	1474	1386
Zinc	ppm	ASTM D5185m		4	0	6
Sulfur	ppm	ASTM D5185m		24556	25056	27004
			11 1. 11			
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	25	13	10
Sodium	ppm	ASTM D5185m		3	3	2
Potassium	ppm	ASTM D5185m	>20	3	3	<1
Water	%	ASTM D6304	>.2	0.044	0.053	0.015
ppm Water	ppm	ASTM D6304	>2000	443	536.2	157.1
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>A</b> 153261	▲ 81221	▲ 105599
Particles >6µm		ASTM D7647	>5000	<u> </u>	4264	3273
Particles >14µm		ASTM D7647	>640	207	16	19
Particles >21µm		ASTM D7647	>160	11	4	3
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>A</b> 24/23/15	<b>4</b> /19/11	▲ 24/19/11
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.44	2.48	2.35

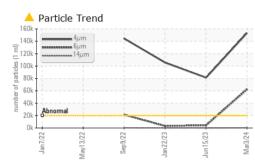
Contact/Location: GIANNA CREDAROLI - BASTARHD

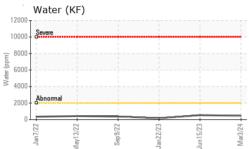


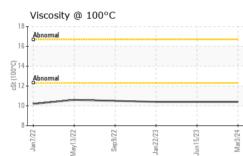
# **OIL ANALYSIS REPORT**

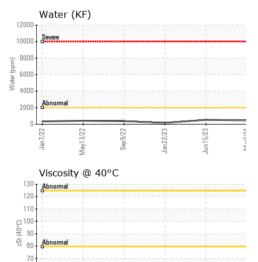
Color

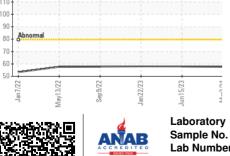
Bottom











Certificate L2367

VISUAL		method	limit/base	current	history1
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1
Visc @ 40°C	cSt	ASTM D445		57.6	57.9
Visc @ 100°C	cSt	ASTM D445		10.4	10.4
Viscosity Index (VI)	Scale	ASTM D2270		171	170
SAMPLE IMAGES	6	method	limit/base	current	history1



history2

NONE

NONE

NONE NONE

NONE

NONE

NORML

NORML NEG

history2

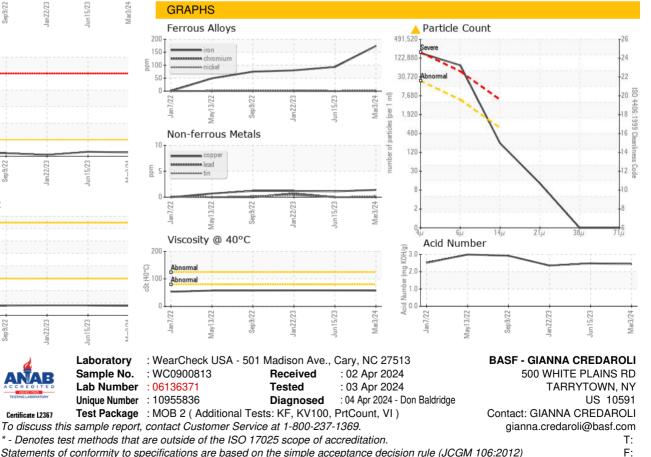
historv2

NEG

58.0

10.4

170



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

Contact/Location: GIANNA CREDAROLI - BASTARHD

Page 2 of 2