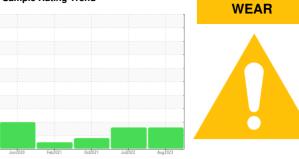


OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

limit/base



current

history1

history2

Area METRO Machine Id METRO 21038 Component

Front Differential Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory elemental data.

📥 Wear

Gear wear is indicated.

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.

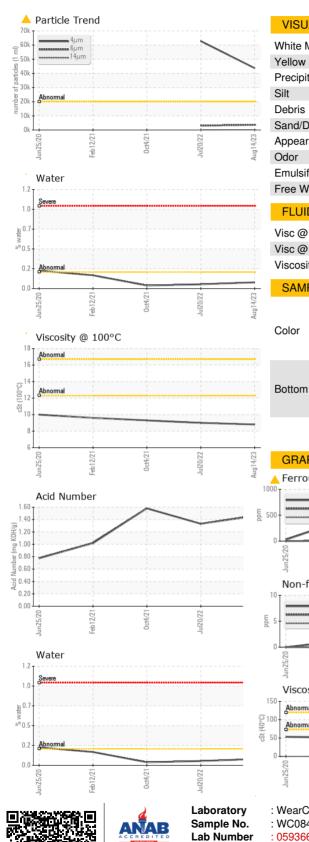
		methou	IIIIII/Dase	current	Thistory I	TIStory2
Sample Number		Client Info		WC0843203	WC0728442	WC0661179
Sample Date		Client Info		14 Aug 2023	20 Jul 2022	04 Oct 2021
Machine Age	mls	Client Info		356836	251424	161676
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<u> </u>	5 79	5 12
Chromium	ppm	ASTM D5185m	>10	6	4	4
Nickel	ppm	ASTM D5185m	>10	5	4	1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	6	2	3
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>100	2	1	1
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m	>5			0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		96	78	92
Barium	ppm	ASTM D5185m		28	0	2
Molybdenum	ppm	ASTM D5185m		2	1	1
Manganese	ppm	ASTM D5185m		16	11	10
Magnesium	ppm	ASTM D5185m		159	148	149
Calcium	ppm	ASTM D5185m		4	7	9
Phosphorus	ppm	ASTM D5185m		1680	1588	1634
Zinc	ppm	ASTM D5185m		43	10	9
Sulfur	ppm	ASTM D5185m		25056	25056	21058
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	57	46	42
Sodium	ppm	ASTM D5185m		16	13	11
Potassium	ppm	ASTM D5185m	>20	3	2	0
Water	%	ASTM D6304	>.2	0.075	0.052	0.037
ppm Water	ppm	ASTM D6304	>2000	751.3	529.8	376.1
FLUID CLEANLIN	VESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	43676	62756	
Particles >6µm		ASTM D7647	>5000	3686	3029	
Particles >14µm		ASTM D7647	>640	167	94	
Particles >21µm		ASTM D7647	>160	46	9	
Particles >38µm		ASTM D7647	>40	2	1	
Particles >71µm		ASTM D7647	>10	0	0	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 23/19/15	🔺 23/19/14	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.46	1.33	1.58
:41:46) Rev: 2	3		Contac	t/Location: GIAN		

Report Id: bastarhd [WUSCAR] 05936664 (Generated: 09/08/2023 12:41:46) Rev: 2

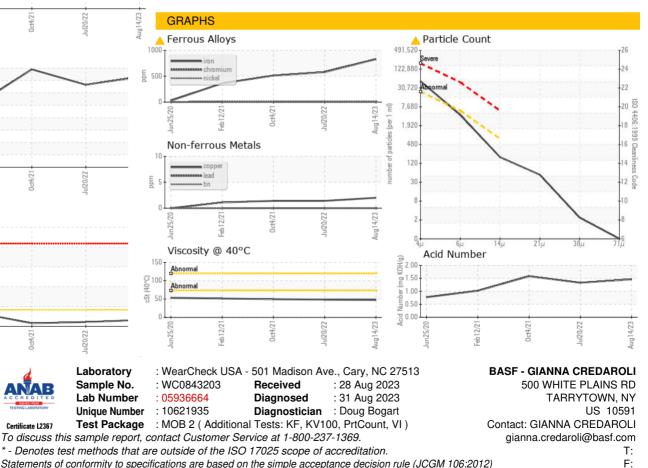
Contact/Location: GIANNA CREDAROLI - BASTARHD



OIL ANALYSIS REPORT



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	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
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		47.6	48.4	49.6
Visc @ 100°C	cSt	ASTM D445		8.8	9	9.3
Viscosity Index (VI)	Scale	ASTM D2270		166	169	173
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367