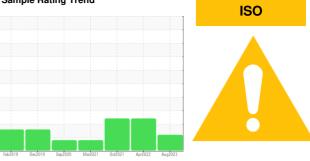


OIL ANALYSIS REPORT

Sample Rating Trend



Area METRO **METRO 20012** Component Front Differential

NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 5W40 Gear Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

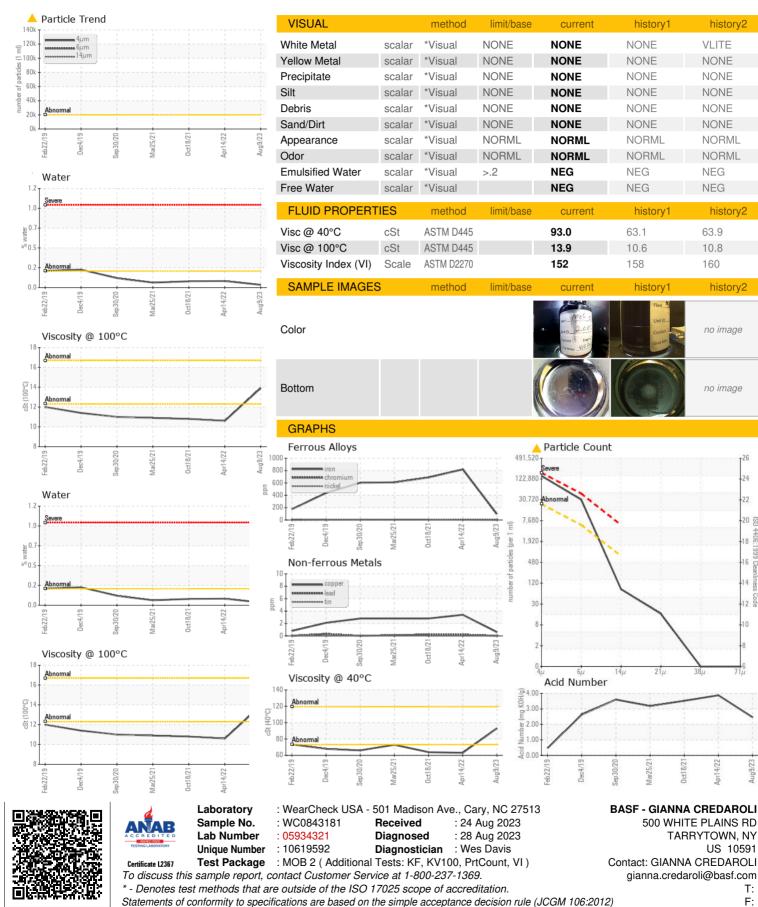
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0843181	WC0692945	WC0631721
Sample Date		Client Info		09 Aug 2023	14 Apr 2022	18 Oct 2021
Machine Age	mls	Client Info		410262	329913	277084
Oil Age	mls	Client Info		0	0	0
Oil Changed	inio	Client Info		N/A	0 N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	-	history1	history2
				current		
Iron	ppm	ASTM D5185m	>500	98	▲ 819	<u> </u>
Chromium	ppm	ASTM D5185m	>10	<1	5	5
Nickel	ppm	ASTM D5185m	>10	<1	0	3
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	<1	5	2
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm		>100	<1	3	3
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m	>5			0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		316	369	354
Barium	ppm	ASTM D5185m		0	0	3
Molybdenum	ppm	ASTM D5185m		1	1	0
Manganese	ppm	ASTM D5185m		2	20	17
Magnesium	ppm	ASTM D5185m		<1	2	<1
Calcium	ppm	ASTM D5185m		3	19	20
Phosphorus	ppm	ASTM D5185m		1436	2092	2219
Zinc	ppm	ASTM D5185m		3	9	14
Sulfur	ppm	ASTM D5185m		26294	19587	36100
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	nnm	ASTM D5185m		16	▲ 100	▲ 103
Sodium	ppm	ASTM D5185m	>15	0	8	11
	ppm		>20	1	5	6
Potassium	ppm	ASTM D5185m		0.034		
Water ppm Water	%	ASTM D6304 ASTM D6304		348.2	0.079 798.1	0.076 765.5
	ppm					
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	▲ 130378		
Particles >6µm		ASTM D7647	>5000	<u> </u>		
Particles >14µm		ASTM D7647	>640	71		
Particles >21µm		ASTM D7647	>160	14		
Particles >38µm		ASTM D7647	>40	0		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u> </u>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) :42:05) Rev: 1	mg KOH/g	ASTM D8045	Carataat	2.46 /Location: GIAN	3.88	3.524

Report Id: bastarhd [WUSCAR] 05934321 (Generated: 08/28/2023 07:42:05) Rev: 1

Contact/Location: GIANNA CREDAROLI - BASTARHD



OIL ANALYSIS REPORT



US 10591

T:

F:

Apr14/22

history2

VLITE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

history2

no image

no image

.74

20 20

18

1406

1999 Cle

NEG

NEG

63.9

10.8

160