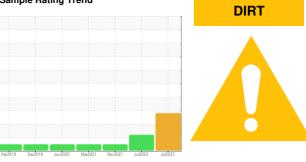


OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

limit/base



current

history1

history2

Area METRO **METRO 20005** Component

Rear Differential NOT GIVEN (--- 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. Elemental level of silicon (Si) above normal indicating ingress of seal material.

Fluid Condition

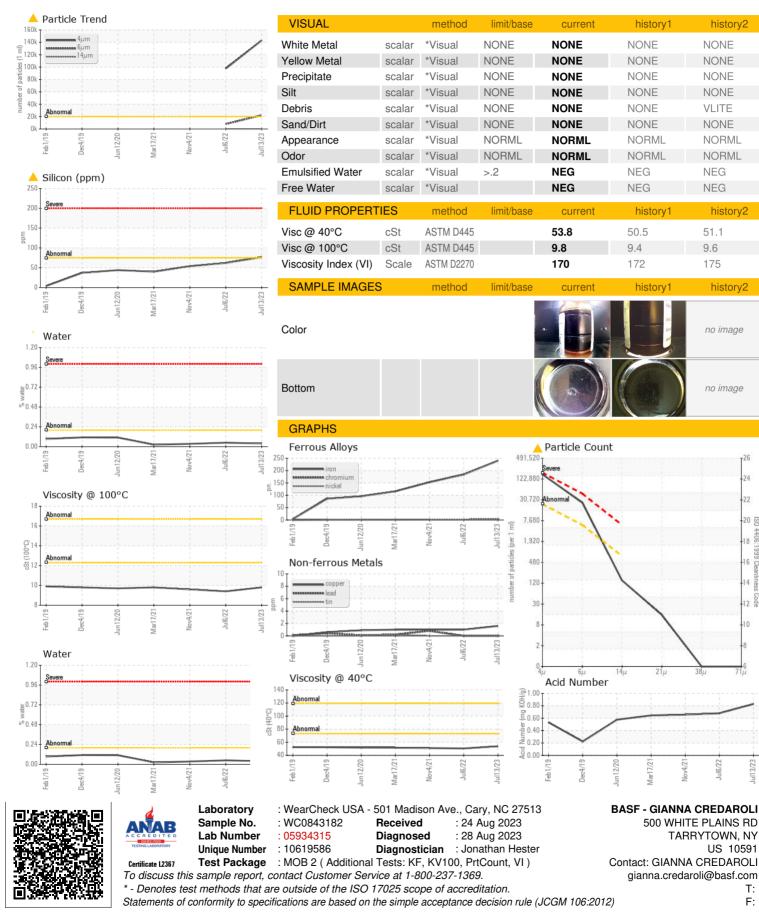
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0843182	WC0728427	WC0642315
Sample Date		Client Info		13 Jul 2023	06 Jul 2022	04 Nov 2021
Machine Age	mls	Client Info		444251	338372	270437
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	240	184	153
Chromium	ppm	ASTM D5185m	>10	2	1	1
Nickel	ppm	ASTM D5185m	>10	1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	3	2	2
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>100	2	1	1
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		70	47	65
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		3	2	2
Magnesium	ppm	ASTM D5185m		139	153	147
Calcium	ppm	ASTM D5185m		6	2	3
Phosphorus	ppm	ASTM D5185m		1571	1551	1714
Zinc	ppm	ASTM D5185m		8	2	4
Sulfur	ppm	ASTM D5185m		24947	25056	32549
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	 77	62	54
Sodium	ppm	ASTM D5185m		6	6	6
Potassium	ppm	ASTM D5185m	>20	3	<1	5
Water	%	ASTM D6304	>.2	0.038	0.048	0.034
ppm Water	ppm	ASTM D6304	>2000	380.4	481.0	342.9
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	4 142910	9 7518	
Particles >6µm		ASTM D7647	>5000	<u> </u>	▲ 7997	
Particles >14µm		ASTM D7647	>640	127	154	
Particles >21µm		ASTM D7647	>160	13	40	
Particles >38µm		ASTM D7647	>40	0	4	
Particles >71µm		ASTM D7647	>10	0	1	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u> </u>	▲ 24/20/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) :46:26) Rev: 1	mg KOH/g	ASTM D8045	Contact	0.83 /Location: GIAN	0.68 INA CREDARO	0.657 LI - BASTARH

Report Id: bastarhd [WUSCAR] 05934315 (Generated: 08/28/2023 15:46:26) Rev: 1



OIL ANALYSIS REPORT



Contact/Location: GIANNA CREDAROLI - BASTARHD

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