

# **OIL ANALYSIS REPORT**

Sample Rating Trend



ISO

## DIAGNOSIS

#### A Recommendation

**Front Differential** NOT GIVEN (--- GAL)

No corrective action is recommended at this time. Resample at the next service interval to monitor.

## Wear

TSI

12853 Component

All component wear rates are normal.

#### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

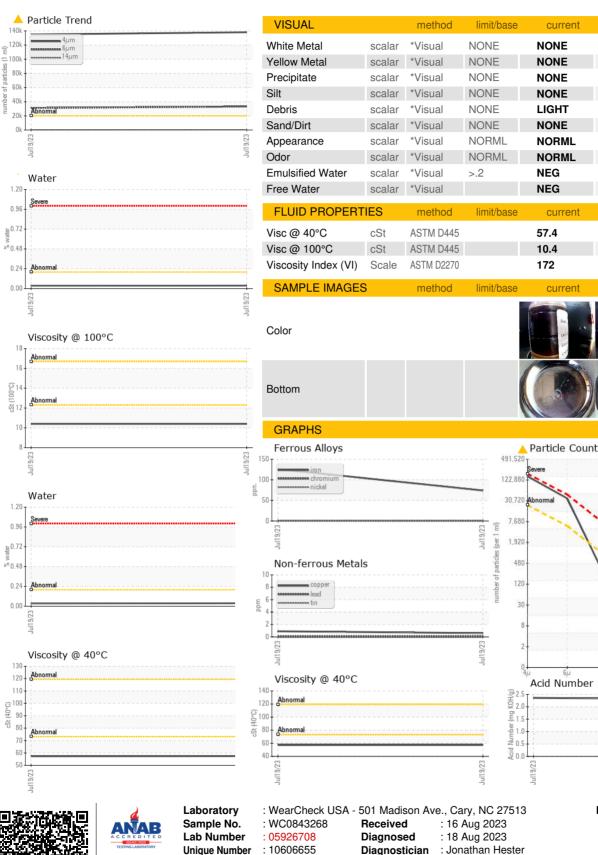
#### Fluid Condition

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

SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0843268	WC0843267	
Sample Date		Client Info		19 Jul 2023	19 Jul 2023	
Machine Age	mls	Client Info		39913	39913	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	126	74	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	0	0	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m		<1	<1	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		<1	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		240	246	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		5	6	
Magnesium	ppm	ASTM D5185m		2	2	
Calcium	ppm	ASTM D5185m		6	3	
Phosphorus	ppm	ASTM D5185m		1504	1505	
Zinc	ppm	ASTM D5185m		2	5	
Sulfur	ppm	ASTM D5185m		25056	25056	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	7	9	
Sodium	ppm	ASTM D5185m		4	4	
Potassium	ppm	ASTM D5185m	>20	3	3	
Water	%	ASTM D6304	>.2	0.036	0.033	
ppm Water	ppm	ASTM D6304	>2000	361.8	338.3	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>1</b> 34947	<b>1</b> 38091	
Particles >6µm		ASTM D7647	>5000	<u> </u>	▲ 33161	
Particles >14µm		ASTM D7647	>640	134	327	
Particles >21µm		ASTM D7647	>160	34	56	
Particles >38µm		ASTM D7647	>40	2	2	
Particles >71µm		ASTM D7647	>10	0	0	
rancies >/ iµin						
•		ISO 4406 (c)	>21/19/16	<u> </u>	<b>4</b> /22/16	
Oil Cleanliness		ISO 4406 (c) method	>21/19/16 limit/base	24/22/14 current	24/22/16 history1	 history2



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**BASF - GIANNA CREDAROLI** 500 WHITE PLAINS RD TARRYTOWN, NY US 10591 Contact: GIANNA CREDAROLI gianna.credaroli@basf.com T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

21µ

384

history1

LIGHT

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

historv1

NFG

NEG

57.3

10.4

172

history2

history

history2

no image

no image

20 3

18

16

1400

1999 Cle

Certificate L2367

Test Package

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

: MOB 2 (Additional Tests: KF, KV100, PrtCount, VI)

Contact/Location: GIANNA CREDAROLI - BASTARHD