

OIL ANALYSIS REPORT

Sample Rating Trend



METRO Machine Id Machine Id Metro Metro Metro Component

Rear Differential

Fluid

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

				Feb 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0934538		
Sample Date		Client Info		26 Feb 2024		
Machine Age	mls	Client Info		11		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	3		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>100	<1		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		318		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		1		
Phosphorus	ppm	ASTM D5185m		1714		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		29946		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	2		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>.2	0.044		
ppm Water	ppm	ASTM D6304	>2000	448		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	15834		
Particles >6µm		ASTM D7647	>5000	2813		
Particles >14μm		ASTM D7647	>640	125		
Particles >21µm		ASTM D7647	>160	26		
Particles >38μm		ASTM D7647	>40	1		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/19/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Asid Number (ANI)	ma 1/011/-	ACTM DOGAE		0.60		

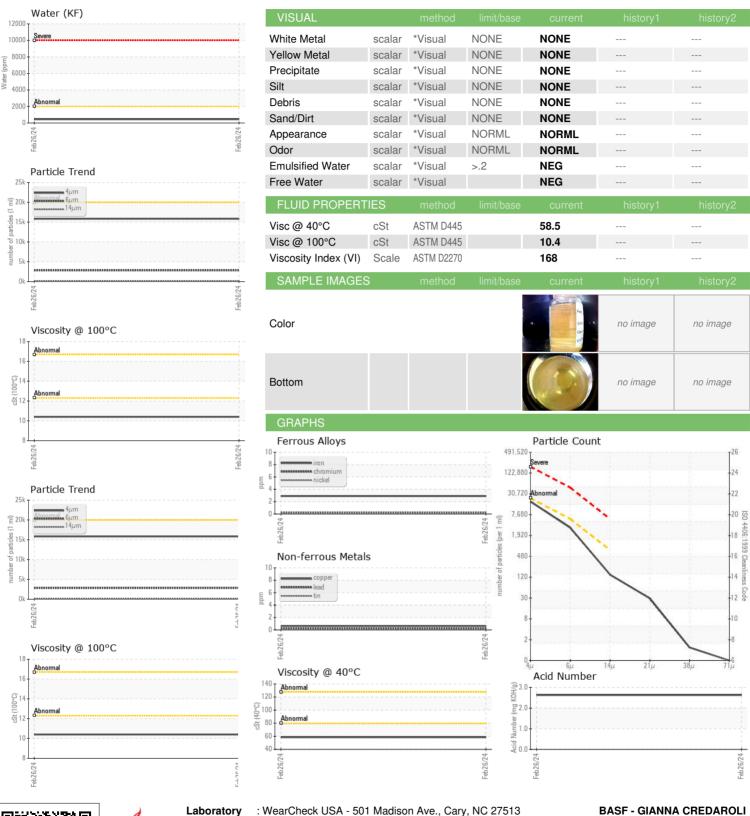
Acid Number (AN)

mg KOH/g ASTM D8045

2.63



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No. Lab Number

: WC0934538 : 06180648

Unique Number : 11031974

Received : 15 May 2024 **Tested** Diagnosed

: 17 May 2024 : 18 May 2024 - Jonathan Hester

Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI) To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

BASF - GIANNA CREDAROLI 500 WHITE PLAINS RD

TARRYTOWN, NY US 10591

Contact: GIANNA CREDAROLI gianna.credaroli@basf.com T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: bastarhd [WUSCAR] 06180648 (Generated: 05/18/2024 16:54:03) Rev: 1

Contact/Location: GIANNA CREDAROLI - BASTARHD

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