

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area METRO Machine Id METRO 23018 Component

Rear 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

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	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0843188	WC0712569	
Sample Date		Client Info		10 Aug 2023	09 Jun 2022	
Machine Age	mls	Client Info		104130	11	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	145	19	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m	210	0	0	
Silver		ASTM D5185m		0	0	
	ppm		. 05	-		
Aluminum	ppm	ASTM D5185m	>25	4	<1	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m		1	0	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		316	310	
Barium	ppm	ASTM D5185m		28	0	
Molybdenum	ppm	ASTM D5185m		0	<1	
Manganese	ppm	ASTM D5185m		3	<1	
Magnesium	ppm	ASTM D5185m		11	0	
Calcium	ppm	ASTM D5185m		2	0	
Phosphorus	ppm	ASTM D5185m		1587	1714	
Zinc	ppm	ASTM D5185m		33	0	
Sulfur	ppm	ASTM D5185m		25056	24772	
		method	limit/base	current	history1	history2
Silicon			>75	53	2	Thotoryz
Sodium	ppm	ASTM D5185m	>15	6	0	
	ppm	ASTM D5185m	>20			
Potassium	ppm			2	0	
Water	%	ASTM D6304		0.057	0.058	
ppm Water	ppm	ASTM D6304		575.0	589.1	
FLUID CLEANLIN	IESS	method	limit/base		history1	history2
Particles >4µm		ASTM D7647	>20000	115913		
Particles >6µm		ASTM D7647	>5000	<u> </u>		
Particles >14µm		ASTM D7647	>640	26		
Particles >21µm		ASTM D7647	>160	5		
Particles >38µm		ASTM D7647	>40	1		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	4/20/12		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.37	2.44	
(-)	0 - 0					

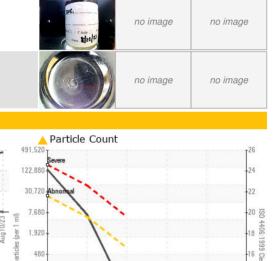


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OIL ANALYSIS REPORT





21µ

38

BASF - GIANNA CREDAROLI

Contact: GIANNA CREDAROLI

gianna.credaroli@basf.com

500 WHITE PLAINS RD

TARRYTOWN, NY US 10591

history1

NONE

NONE

NONE

NONE

LIGHT

NONE

NORML

NORML

history

history1

NFG

NEG

53.6

10.1

179

current

currer

current

history2

history

history2

16



Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI) Certificate L2367 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: WC0843188

: 05934326

: 10619597

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: 24 Aug 2023

: 31 Aug 2023

Diagnostician : Doug Bogart

Received

Diagnosed

Laboratory

Sample No.

Lab Number

Unique Number

Contact/Location: GIANNA CREDAROLI - BASTARHD

T:

F: