

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area PLOGER Machine Id **6174 - PLOGER**

Front Differential

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 6 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.

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900786	WC0728472	WC0647541
Sample Date		Client Info		02 Sep 2023	02 Sep 2022	20 Oct 2021
Machine Age	mls	Client Info		540741	540741	477246
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	401	191	137
Chromium	ppm	ASTM D5185m	>10	5	2	1
Nickel	ppm	ASTM D5185m	>10	6	2	1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	3
Aluminum	ppm	ASTM D5185m	>25	10	6	2
Lead	ppm	ASTM D5185m	>25	8	12	14
Copper	ppm	ASTM D5185m	>100	23	33	31
Tin	ppm	ASTM D5185m	>10	2	3	4
Antimony	ppm	ASTM D5185m	>5			<1
Vanadium	ppm	ASTM D5185m		<1	1	0
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		59	91	88
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		15	5	4
Magnesium	ppm	ASTM D5185m		156	130	175
Calcium	ppm	ASTM D5185m		14	0	10
Phosphorus	ppm	ASTM D5185m		1539	1523	1878
Zinc	ppm	ASTM D5185m		22	0	4
Sulfur	ppm	ASTM D5185m		26661	24818	23846
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	58	35	37
Sodium	ppm	ASTM D5185m		10	8	6
Potassium	ppm	ASTM D5185m	>20	3	20	23
Water	%	ASTM D6304	>.2	0.028	0.052	0.051
ppm Water	ppm	ASTM D6304	>2000	283	523.7	513.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	88366		
Particles >6µm		ASTM D7647	>5000	4978		
Particles >14μm		ASTM D7647	>640	21		
Particles >21µm		ASTM D7647	>160	4		
Particles >38μm		ASTM D7647	>40	0		
Particles >71μm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>4</u> 24/19/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

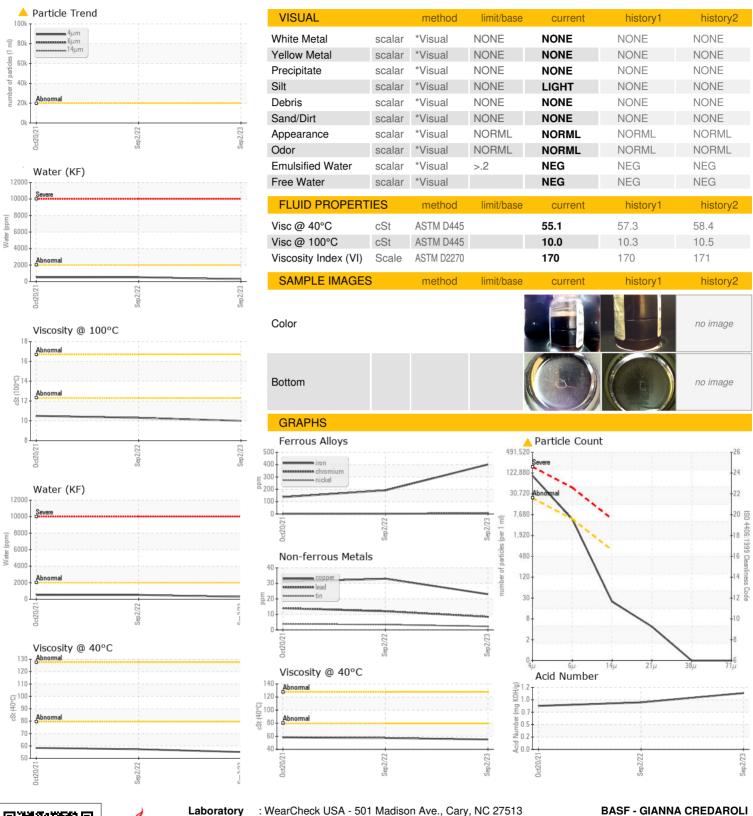
Acid Number (AN)

mg KOH/g ASTM D8045

1.09 0.91 0.843 Contact/Location: GIANNA CREDAROLI - BASTARHD



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0900786 Lab Number : 06157699

Unique Number : 10993122

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

Received

Tested

: 23 Apr 2024

: 24 Apr 2024

: 25 Apr 2024 - Jonathan Hester

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.

BASF - GIANNA CREDAROLI

500 WHITE PLAINS RD TARRYTOWN, NY US 10591

Contact: GIANNA CREDAROLI gianna.credaroli@basf.com

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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F: