

Area
PLOGER
Machine Id

OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

limit/base

current



history1

history2

5196 - PLOGER Rear Differential Fluid {not provided} (--- 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 fluid.

Fluid Condition

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

SAMPLE INFORM	VIATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900793	WC0692913	WC0604661
Sample Date		Client Info		04 Apr 2024	22 Mar 2022	21 Jul 2021
Machine Age	mls	Client Info		610276	393788	300724
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>500	219	448	327
Chromium	ppm	ASTM D5185m	>10	2	5	4
Nickel	ppm	ASTM D5185m	>10	5	19	20
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	4	8	6
_ead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>100	3	2	1
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Antimony	ppm	ASTM D5185m	>5			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		77	83	96
Barium	ppm	ASTM D5185m		0	0	0
Volybdenum	ppm	ASTM D5185m		0	<1	<1
Vanganese	ppm	ASTM D5185m		5	20	17
Magnesium	ppm	ASTM D5185m		193	186	162
Calcium	ppm	ASTM D5185m		18	23	17
Phosphorus	ppm	ASTM D5185m		1838	1717	1521
Zinc	ppm	ASTM D5185m		11	10	11
Sulfur	ppm	ASTM D5185m		29157	21778	20641
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	46	42	37
Sodium	ppm	ASTM D5185m		10	8	8
Potassium	ppm	ASTM D5185m	>20	3	6	<1
Water	%	ASTM D6304	>.2	0.031	0.027	▲ 0.811
opm Water	ppm	ASTM D6304	>2000	311	279.2	▲ 8110
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	🔺 141757		
Particles >6µm		ASTM D7647	>5000	<u> </u>		
Particles >14µm		ASTM D7647	>640	200		
Particles >21µm		ASTM D7647	>160	14		
Particles >38µm		ASTM D7647	>40	1		
Particles >71µm		ASTM D7647	>10	1		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 24/23/15		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN) 47:09) Bev: 1	mg KOH/g	ASTM D8045	Contact	0.52	0.62	0.711

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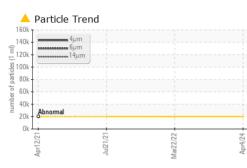
Contact/Location: GIANNA CREDAROLI - BASTARHD

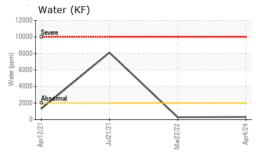


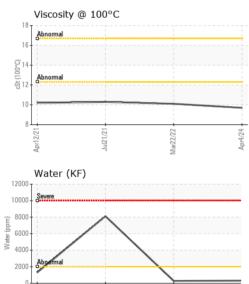
OIL ANALYSIS REPORT

Color

Bottom

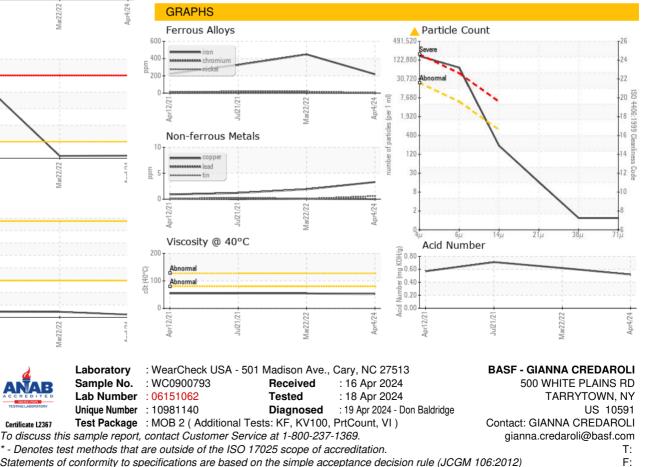






Jul21/21. Anr12/7 Viscosity @ 40°C 130 Abnorma 120 110 cSt (40°C) 06 (40°C) 08 05 Abnorma 80 70 60 50 Jul21/21 or12.17

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		52.2	54.4	54.5
Visc @ 100°C	cSt	ASTM D445		9.7	10.1	10.3
Viscosity Index (VI)	Scale	ASTM D2270		173	175	180
SAMPLE IMAGES		method	limit/base	current	history1	history2
					Fleet_	



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

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