

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

BLUE ORGIN GEEX G2 HPU

Hydraulic System

RADCOLUBE FR282 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

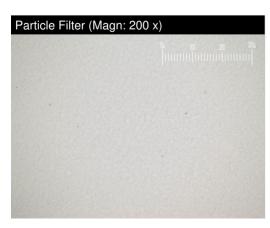
Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. Chlorine measured at 1.1 ppm.

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		PH0003851	PH0003051	PH0003053
Sample Date		Client Info		16 Apr 2024	09 Apr 2024	22 Mar 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	<1
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>20	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	0	1	2
Lead	ppm	ASTM D5185m	>20	0	1	<1
Copper	ppm	ASTM D5185m	>20	0	<1	<1
Tin	ppm	ASTM D5185m	>20	0	1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		0	1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		0	<1	<1
Calcium	ppm	ASTM D5185m		0	7	7
Phosphorus	ppm	ASTM D5185m		11	24	26
Zinc	ppm	ASTM D5185m		0	7	11
Sulfur	ppm	ASTM D5185m		71	0	102
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	<1
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	<1	1
Chlorine Content	ppm	ASTM D5185m		1.10	0.000	11.6
Water	%	ASTM D6304	>0.05	0.007	0.019	0.011
ppm Water	ppm	ASTM D6304	>500	79	195	112
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>320	160	<u>▲</u> 2872	▲ 8930
Particles >6µm		ASTM D7647	>80	56	1 39	▲ 2726
Particles >14μm		ASTM D7647	>20	9	15	<u>^</u> 264
Particles >21µm		ASTM D7647	>4	2	5	<u> </u>
Particles >38μm		ASTM D7647	>3	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0



FLUID DEGRADATION Acid Number (AN)

Oil Cleanliness

mg KOH/g ASTM D8045 0.09

ISO 4406 (c) >15/13/11

0.185

14/13/10

0.18

<u>^</u> 20/19/15

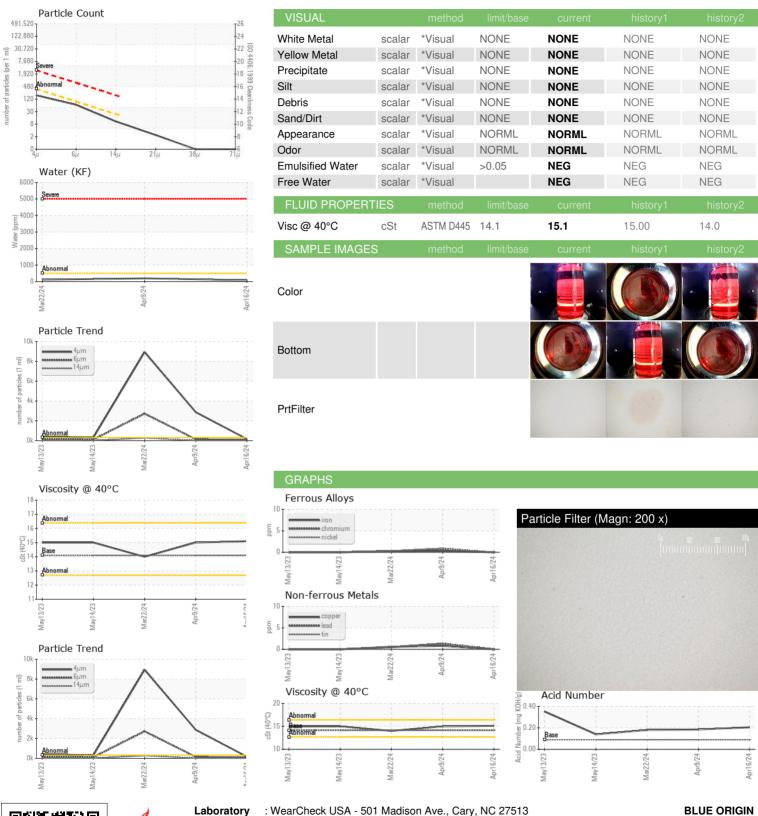
Report Id: BLUVAN [WUSCAR] 06152444 (Generated: 04/23/2024 09:35:43) Rev: 1

Contact/Location: MANUEL HERRERA - BLUVAN

<u>19/14/11</u>



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number

: PH0003851 : 06152444 Unique Number : 10982522

Received **Tested**

: 23 Apr 2024 Diagnosed : 23 Apr 2024 - Jonathan Hester Test Package: PLANT (Additional Tests: CHLORINEXRF, KF, PrtFilter)

: 17 Apr 2024

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

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