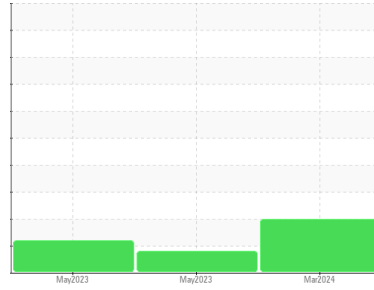




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
BLUE ORGIN GEEX G2 HPU
 Component
Hydraulic System
 Fluid
RADCOLUBE FR282 (--- GAL)

DIAGNOSIS

▲ Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a high amount of particulates present in the oil. Chlorine value is 11.6 ppm.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PH0003053	WC05852425	WC05852424
Sample Date	Client Info	22 Mar 2024	14 May 2023	13 May 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	ATTENTION	ATTENTION

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >20	<1	0	0
Chromium	ppm	ASTM D5185m >20	<1	0	0
Nickel	ppm	ASTM D5185m >20	<1	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	<1	0	0
Aluminum	ppm	ASTM D5185m >20	2	<1	<1
Lead	ppm	ASTM D5185m >20	<1	0	0
Copper	ppm	ASTM D5185m >20	<1	0	0
Tin	ppm	ASTM D5185m >20	<1	0	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

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	<1	0	0
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m	<1	0	0
Calcium	ppm	ASTM D5185m	7	0	0
Phosphorus	ppm	ASTM D5185m	26	12	11
Zinc	ppm	ASTM D5185m	11	0	0
Sulfur	ppm	ASTM D5185m	102	0	0

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >15	<1	0	0
Sodium	ppm	ASTM D5185m	0	0	0
Potassium	ppm	ASTM D5185m >20	1	0	0
Chlorine Content	ppm	ASTM D5185m	11.6	---	---
Water	%	ASTM D6304 >0.05	0.011	---	---
ppm Water	ppm	ASTM D6304 >500	112	---	---

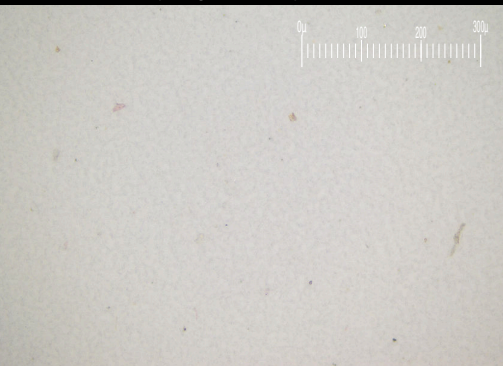
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >320	▲ 8930	309	● 430
Particles >6µm	ASTM D7647 >80	▲ 2726	● 111	● 147
Particles >14µm	ASTM D7647 >20	▲ 264	18	18
Particles >21µm	ASTM D7647 >4	▲ 77	5	5
Particles >38µm	ASTM D7647 >3	1	0	0
Particles >71µm	ASTM D7647 >3	0	0	0
Oil Cleanliness	ISO 4406 (c) >15/13/11	▲ 20/19/15	● 15/14/11	● 16/14/11

FLUID DEGRADATION

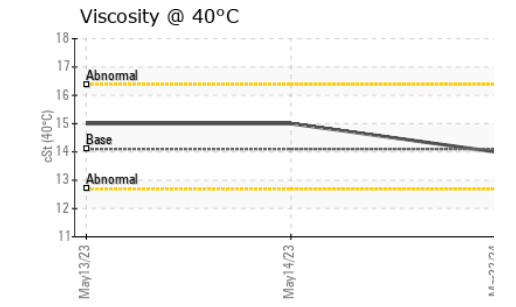
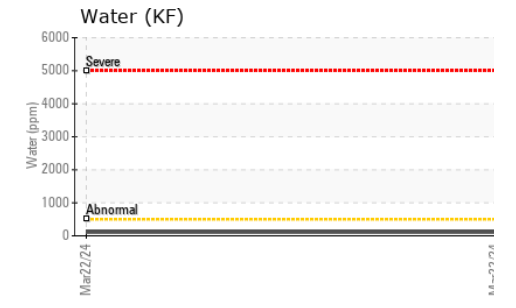
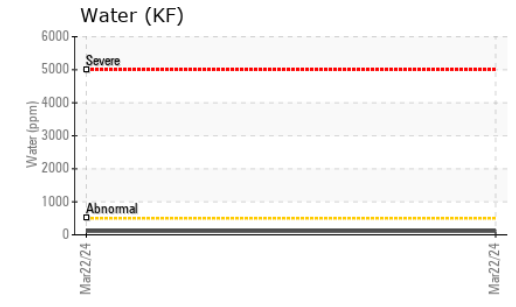
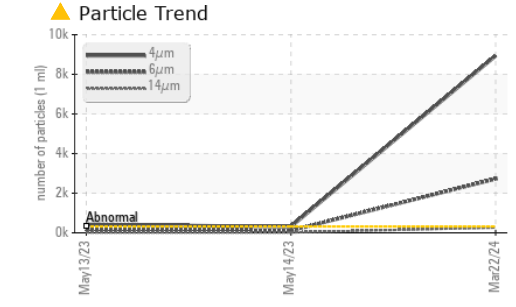
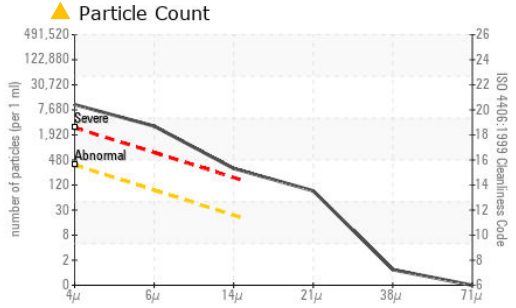
method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.09	0.18	0.14	0.352

Particle Filter (Magn: 200 x)





OIL ANALYSIS REPORT



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PH0003053 **Received** : 27 Mar 2024
Lab Number : 06131399 **Tested** : 02 Apr 2024
Unique Number : 10950864 **Diagnosed** : 02 Apr 2024 - Jonathan Hester
Test Package : PLANT (Additional Tests: CHLORINEXRF, KF, PrtFilter)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

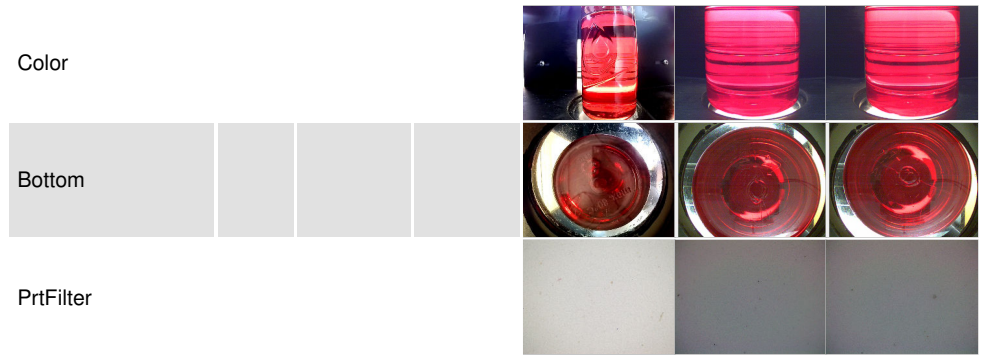
* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	14.1	14.0	15.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS

