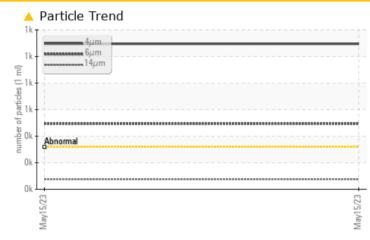


## **PROBLEM SUMMARY**

## BLUE ORIGIN G1 HPU Component

**Hydraulic System** FR282 (200 GAL)

#### COMPONENT CONDITION SUMMARY



#### RECOMMENDATION

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

### PROBLEMATIC TEST RESULTS

THOBLEMATIO TEST HESSETS									
Sample Status		ABNORMAL							
Particles >4µm	ASTM D7647 >320	) 🔺 1095							
Particles >6µm	ASTM D7647 >80	<u> </u>							
Particles >14µm	ASTM D7647 >10	<u> </u>							
Particles >21µm	ASTM D7647 >3	<b>4</b> 23							
Oil Cleanliness	ISO 4406 (c) >15/	13/10 🔺 <b>17/16/13</b>							
PrtFilter			no image	no image					

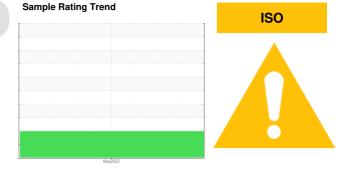
Customer Id: BLUVAN Sample No.: PH05853919 Lab Number: 05853919 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Filter			?	We recommend you service the filters on this component.			

HISTORICAL DIAGNOSIS



## **OIL ANALYSIS REPORT**

Sample Rating Trend

# BLUE ORIGIN G1 HPU

Component Hydraulic System Fluid FR282 (200 GAL)

#### DIAGNOSIS

#### A Recommendation

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

#### Wear

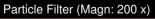
All component wear rates are normal.

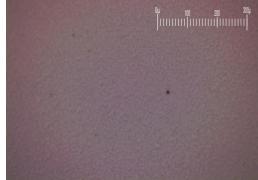
#### Contamination

There is a high amount of particulates present in the oil.

#### **Fluid Condition**

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



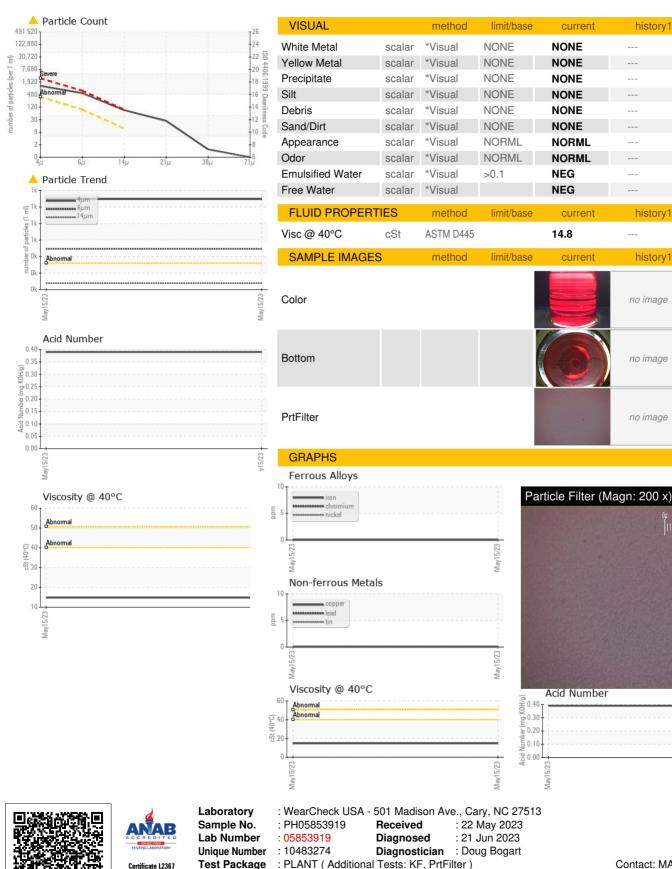


	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH05853919		
Sample Date		Client Info		15 May 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	<1		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		1		
Phosphorus	ppm	ASTM D5185m		21		
Zinc	ppm	ASTM D5185m		4		
Sulfur	ppm	ASTM D5185m		71		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>320	<b>A</b> 1095		
Particles >6µm		ASTM D7647	>80	<u> </u>		
Particles >14µm		ASTM D7647	>10	<u> </u>		
Particles >21µm		ASTM D7647	>3	<u> </u>		
Particles >38µm		ASTM D7647	>3	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>15/13/10	<b>17/16/13</b>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.39		





## **OIL ANALYSIS REPORT**



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

**BLUE ORIGIN** 35961 HWY 54 VAN HORN, TX US 79855 Contact: MANUEL HERRERA mherrera@blueorigin.com T: F:

history1

history

history1

no image

no image

no image

current

current

current

history2

historv2

history2

no imade

no imade

no image

\* - 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) Report Id: BLUVAN [WUSCAR] 05853919 (Generated: 08/16/2023 11:22:16) Rev: 2