

# **OIL ANALYSIS REPORT**

# [175466-N2STV4W] **HPU 003**

Component

**Hydraulic System** 

**RADCOLUBE FR282 (33 GAL)** 

Sample Rating Trend



### **DIAGNOSIS**

### Recommendation

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

All component wear rates are normal.

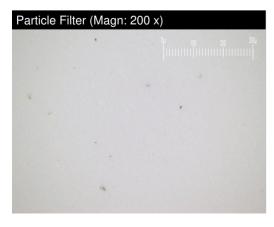
### Contamination

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. Chlorine is 10.3 ppm.

			0ct2023	Jan2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH06060221	PH05977692	
Sample Date		Client Info		09 Jan 2024	05 Oct 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		20	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	
Chromium	ppm	ASTM D5185m	>20	<1	0	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	2	0	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	0	0	
Tin	ppm	ASTM D5185m	>20	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		<1	0	
Calcium	ppm	ASTM D5185m		1	2	
Phosphorus	ppm	ASTM D5185m		120	146	
Zinc	ppm	ASTM D5185m		0	2	
Sulfur	ppm	ASTM D5185m		22	49	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	1	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	<1	<1	
Chlorine Content	ppm	ASTM D5185m		10.3	2.10	
Water	%	ASTM D6304	>0.05	0.011	0.016	
ppm Water	ppm	ASTM D6304	>500	119	161.2	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>80	<b>△</b> 365	<b>▲</b> 793	
Particles >6µm		ASTM D7647	>20	<u> </u>	<u>^</u> 235	
Particles >14μm		ASTM D7647	>3	<u> </u>	<u> </u>	
Particles >21µm		ASTM D7647	>3	<u>4</u>	<u>^</u> 7	
Particles >38μm		ASTM D7647	>3	0	0	
Particles >71μm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>13/11/8	<u> </u>	▲ 17/15/11	

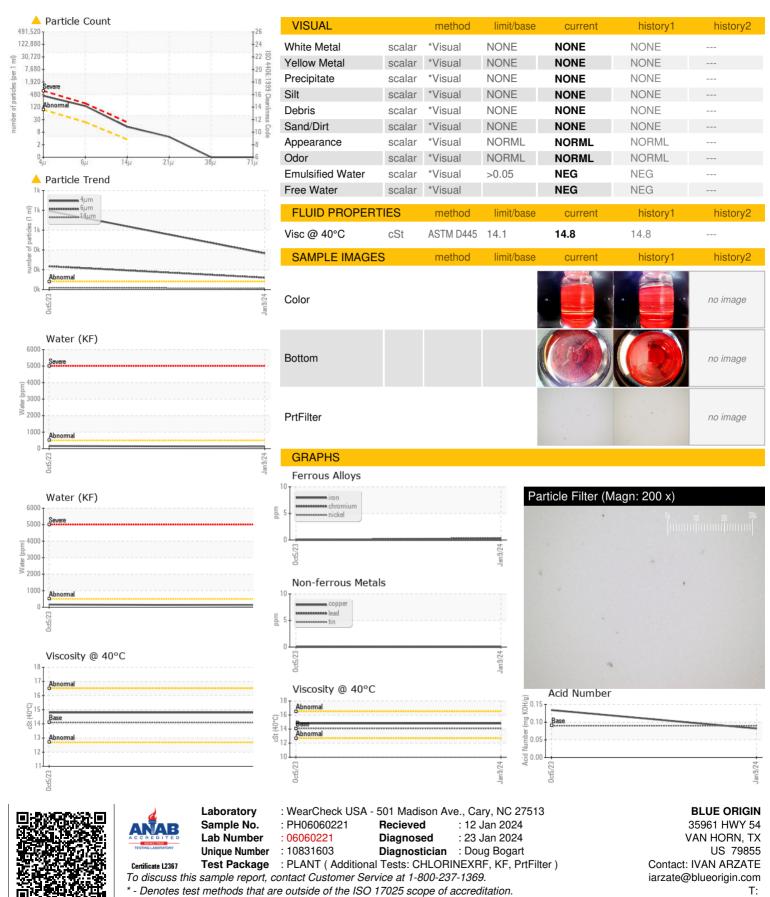


FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.09 0.134

Contact/Location: IVAN ARZATE - BLUVAN



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

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