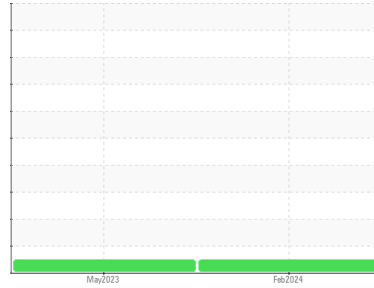


Area
[450267836]
 Machine Id
CV-0001 PORT HOSE RELL
 Component
Unknown Component
 Fluid
{not provided} (--- GAL)



DIAGNOSIS

Recommendation
 Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please provide more complete information on your next sample.

Wear
 Component wear rates appear to be normal (unconfirmed).

Contamination
 The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition
 Viscosity of sample indicates oil is within ISO 22 range, advise investigate. The AN level is acceptable for this fluid. The condition of the sample is acceptable for the time in service (unconfirmed).

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	PC0052498	PC0052558	---
Sample Date	Client Info	24 Feb 2024	25 May 2023	---
Machine Age	hrs	0	0	---
Oil Age	hrs	0	0	---
Oil Changed	Client Info	N/A	N/A	---
Sample Status		NORMAL	NORMAL	---

CONTAMINATION method limit/base current history1 history2

Water	WC Method	NEG	NEG	---
-------	-----------	------------	-----	-----

WEAR METALS method limit/base current history1 history2

PQ	ASTM D8184*	0	0	---
Iron	ppm ASTM D5185(m)	0	<1	---
Chromium	ppm ASTM D5185(m)	0	0	---
Nickel	ppm ASTM D5185(m)	0	<1	---
Titanium	ppm ASTM D5185(m)	0	0	---
Silver	ppm ASTM D5185(m)	0	0	---
Aluminum	ppm ASTM D5185(m)	0	0	---
Lead	ppm ASTM D5185(m)	0	0	---
Copper	ppm ASTM D5185(m)	<1	<1	---
Tin	ppm ASTM D5185(m)	0	0	---
Antimony	ppm ASTM D5185(m)	0	0	---
Vanadium	ppm ASTM D5185(m)	0	0	---
Beryllium	ppm ASTM D5185(m)	0	0	---
Cadmium	ppm ASTM D5185(m)	0	0	---

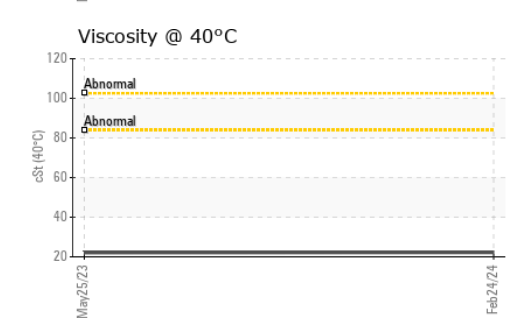
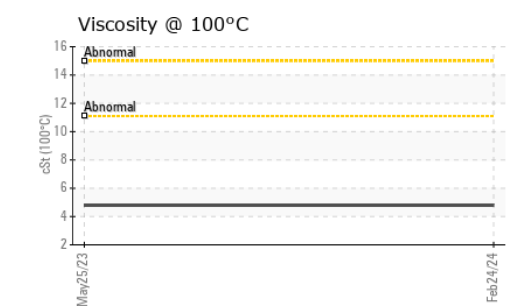
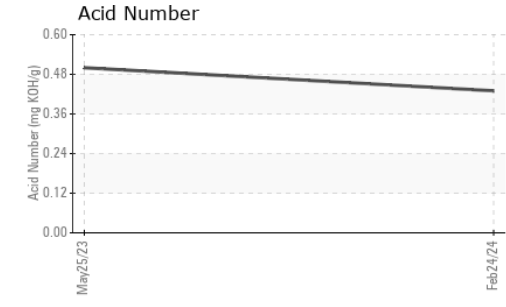
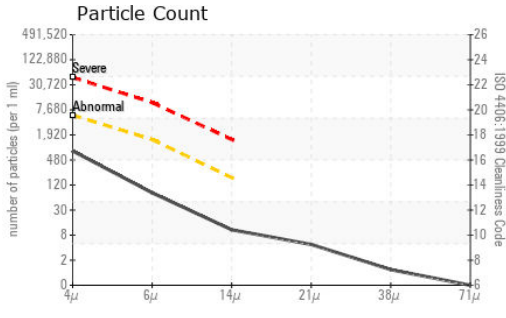
ADDITIVES method limit/base current history1 history2

Boron	ppm ASTM D5185(m)	0	0	---
Barium	ppm ASTM D5185(m)	0	0	---
Molybdenum	ppm ASTM D5185(m)	0	0	---
Manganese	ppm ASTM D5185(m)	0	0	---
Magnesium	ppm ASTM D5185(m)	<1	0	---
Calcium	ppm ASTM D5185(m)	46	48	---
Phosphorus	ppm ASTM D5185(m)	318	361	---
Zinc	ppm ASTM D5185(m)	393	395	---
Sulfur	ppm ASTM D5185(m)	731	819	---
Lithium	ppm ASTM D5185(m)	<1	<1	---

CONTAMINANTS method limit/base current history1 history2

Silicon	ppm ASTM D5185(m)	0	0	---
Sodium	ppm ASTM D5185(m)	0	0	---
Potassium	ppm ASTM D5185(m) >20	<1	<1	---

OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0052498 **Received** : 01 Apr 2024
Lab Number : **02625696** **Tested** : 02 Apr 2024
Unique Number : 5750815 **Diagnosed** : 03 Apr 2024 - Kevin Marson
Test Package : MAR 2 (Additional Tests: KV100, PQ, PRTCOUNT, VI)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	695	---	---	
Particles >6µm	ASTM D7647	>1300	69	---	---	
Particles >14µm	ASTM D7647	>160	9	---	---	
Particles >21µm	ASTM D7647	>40	4	---	---	
Particles >38µm	ASTM D7647	>10	1	---	---	
Particles >71µm	ASTM D7647	>3	0	---	---	
Oil Cleanliness	ISO 4406 (c)	>19/17/14	17/13/10	---	---	

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.43	0.50	---

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*		NEG	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		22.2	22.1	---
Visc @ 100°C	cSt	ASTM D7279(m)		4.8	4.8	---
Viscosity Index (VI)	Scale	ASTM D2270*		142	143	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						no image
Bottom						no image

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