

# **PROBLEM SUMMARY**

## Area ORIN CONTRACTORS Machine Id 377 Component Hydraulic System

{not provided} (--- GAL)

# COMPONENT CONDITION SUMMARY



# RECOMMENDATION

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample.

# PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	 
Particles >4µm	ASTM D7647	>5000	🛑 152750	 
Particles >6µm	ASTM D7647	>1300	68334	 
Particles >14µm	ASTM D7647	>160	<b>ම</b> 5764	 
Particles >21µm	ASTM D7647	>40	🛑 1013	 
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>e</b> 24/23/20	 

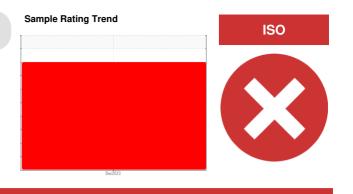
Customer Id: RONVAU Sample No.: WC0888496 Lab Number: 02607136 Test Package: MOBCE



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com



RECOMMENDED AC	OMMENDED ACTIONS					
Action	Status	Date	Done By	Description		
Resample			?	Resample in 30-45 days to monitor this situation.		
Information Required			?	Please specify the brand, type, and viscosity of the oil on your next sample.		
Check Breathers			?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.		
Check Dirt Access			?	We advise that you check all areas where contaminants can enter the system.		

HISTORICAL DIAGNOSIS



# **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

 $\mathbf{X}$ 

#### Area ORIN CONTRACTORS Machine Id 377 Component Hydraulic System Fluid

{not provided} (--- GAL)

## DIAGNOSIS

### Recommendation

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

#### Contamination

There is a high amount of particulates (2 to 100 microns in size) present in the oil.

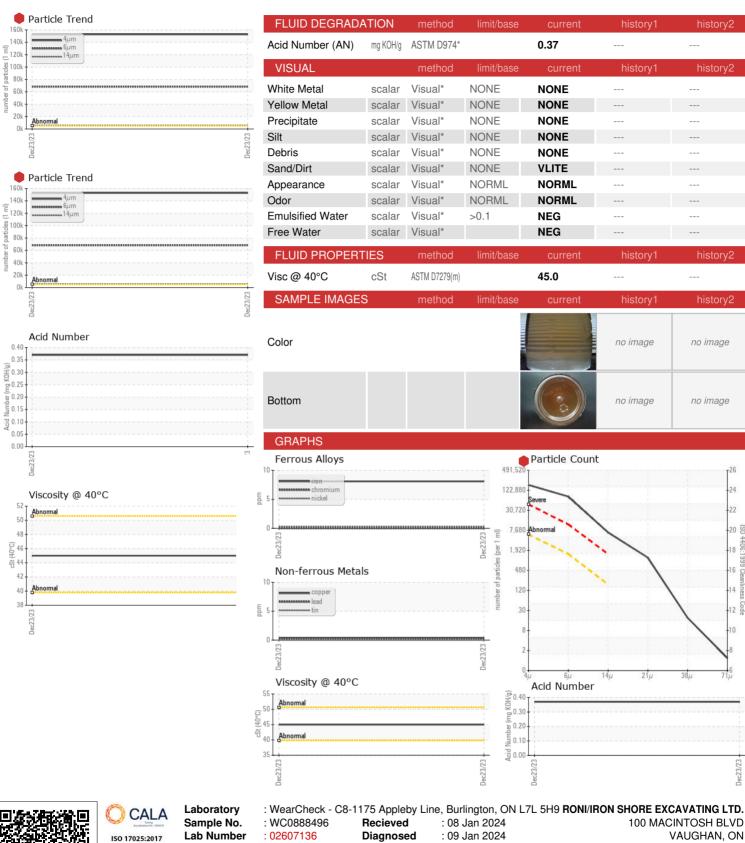
#### Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

				Dec2023		
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0888496		
Sample Date		Client Info		23 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				SEVERE		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	8		
	ppm	ASTM D5185(m)	>10	0		
	ppm	ASTM D5185(m)	>10	<1		
1	ppm	ASTM D5185(m)		0		
	ppm	ASTM D5185(m)		0		
1	ppm	ASTM D5185(m)	>10	2		
	ppm	ASTM D5185(m)	>10	- <1		
1	ppm	ASTM D5185(m)		<1		
	ppm	ASTM D5185(m)	>10	0		
	ppm	ASTM D5185(m)	>10	0		
	ppm	ASTM D5185(m)		0		
	ppm	ASTM D5185(m)		0		
		ASTM D5185(m)		0		
'	ppm	ASTIN D3103(III)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		64		
Calcium	ppm	ASTM D5185(m)		33		
Phosphorus	ppm	ASTM D5185(m)		279		
Zinc	ppm	ASTM D5185(m)		339		
Sulfur	ppm	ASTM D5185(m)		669		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	2		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	1		
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>•</b> 152750		
Particles >6µm		ASTM D7647	>1300	68334		
Particles >14µm		ASTM D7647	>160	<b>•</b> 5764		
Particles >21µm		ASTM D7647	>40	• 1013		
Particles >38µm		ASTM D7647	>10	<b>1</b> 6		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	• 24/23/20		
45:37) Rev: 1		. /		*	ation: Service T	eam - RONVAU



# **OIL ANALYSIS REPORT**



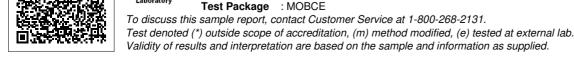
21µ

14

: Wes Davis

Diagnostician

38µ



Unique Number

: 5708222

Accredited

Laboratory

Contact/Location: Service Team - RONVAU Page 4 of 4

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