

## **OIL ANALYSIS REPORT**

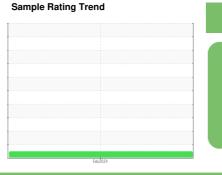
# OIL ANALTSIS REPORT

# ORIN CONTRACTORS Machine Id 857

Component

**Hydraulic System** 

PETRO CANADA HYDREX AW 46 (--- GAL)





## DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

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

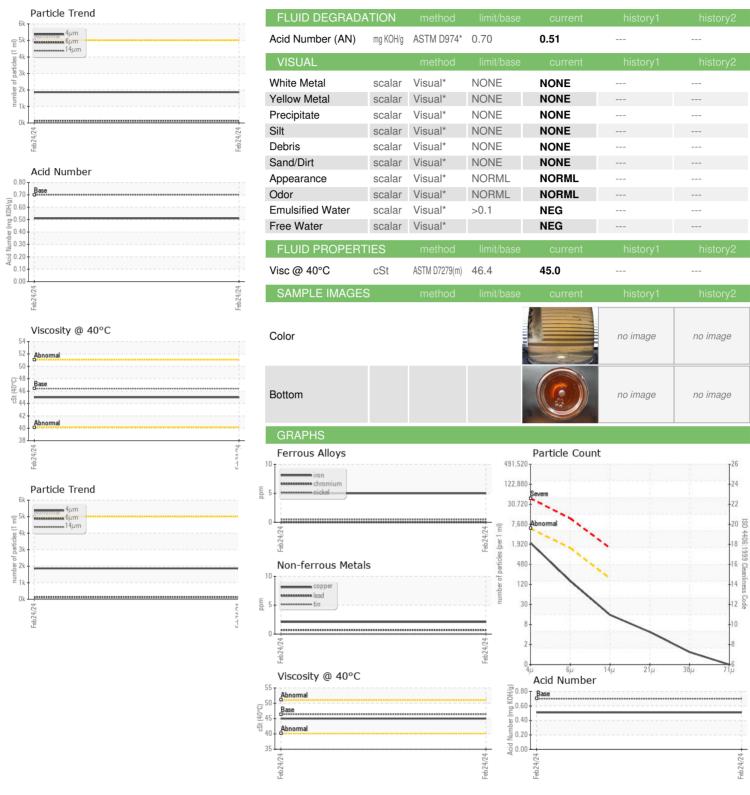
### **Fluid Condition**

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

)				Feb 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	., (11011					
Sample Number		Client Info		WC0899386		
Sample Date	laa	Client Info		24 Feb 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	١	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	5		
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)	>10	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>10	2		
Lead	ppm	ASTM D5185(m)	>10	<1		
Copper	ppm	ASTM D5185(m)	>75	2		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	1		
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)	0	6		
Calcium	ppm	ASTM D5185(m)	50	199		
Phosphorus	ppm	ASTM D5185(m)	330	382		
Zinc	ppm	ASTM D5185(m)	430	483		
Sulfur	ppm	ASTM D5185(m)	760	996		
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 CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1864		
Particles >6µm		ASTM D7647	>1300	135		
Particles >14µm		ASTM D7647	>160	13		
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	18/14/11		



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: WC0899386

: 02621132 Unique Number : 5746251 Test Package : MOBCE

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 RONI/IRON SHORE EXCAVATING LTD. : 11 Mar 2024 Received **Tested** 

Diagnosed

: 12 Mar 2024

: 12 Mar 2024 - Wes Davis

100 MACINTOSH BLVD VAUGHAN, ON **CA L4K 4P3** 

Contact: Service Team service.team@roni.ca T:

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.

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