

# **OIL ANALYSIS REPORT**

Sample Rating Trend

**NORMAL** 



2603 Component

**Hydraulic System** 

PETRO CANADA HYDREX AW 32 (--- GAL)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

#### 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.

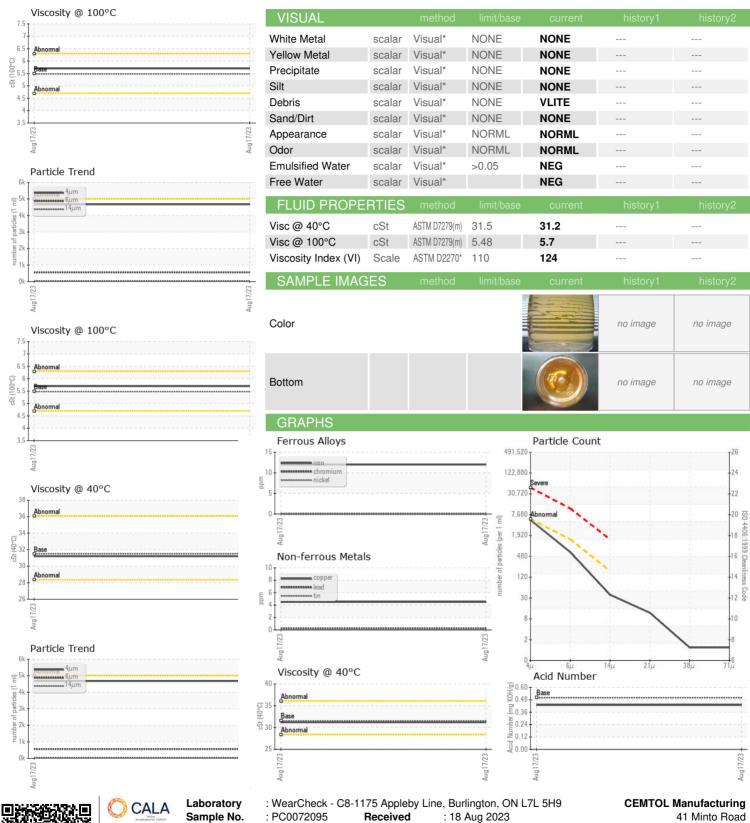
#### **Fluid Condition**

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

				Aug2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0072095		
Sample Date		Client Info		17 Aug 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS	;	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	12		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	0		
	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	ASTM D5185(m)	>20	0		
Lead	ppm	ASTM D5185(m)	>20	<1		
	ppm	ASTM D5185(m)	>20	4		
Tin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)		<1		
•	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
	PPIII		1		12.4	1::
ADDITIVES		method	limit/base	current	history1	history2
	ppm	ASTM D5185(m)	0	8		
	ppm	ASTM D5185(m)		0		
	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)		<1		
-	ppm	ASTM D5185(m)	0	<1		
Calcium	ppm	ASTM D5185(m)	50	30		
Phosphorus	ppm	ASTM D5185(m)	330	320		
Zinc	ppm	ASTM D5185(m)	430	386		
Sulfur	ppm	ASTM D5185(m)	760	693		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<1		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	8		
FLUID CLEANLI	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	4676		
Particles >6µm		ASTM D7647	>1300	557		
Particles >14μm		ASTM D7647	>160	33		
Particles >21µm		ASTM D7647	>40	10		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/12		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**





ISO 17025:2017 Accredited

Laboratory

Sample No. Lab Number **Unique Number** 

: PC0072095 : 02576766

Diagnosed : 5629826 Diagnostician

: 22 Aug 2023

: Wes Davis

Test Package : IND 2 (Additional Tests: KV100, 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.

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