

# **PROBLEM SUMMARY**

V

Sample Rating Trend

WEAR

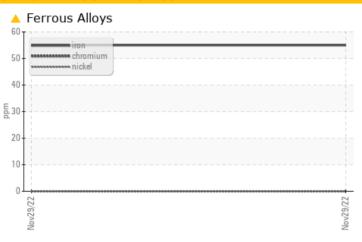


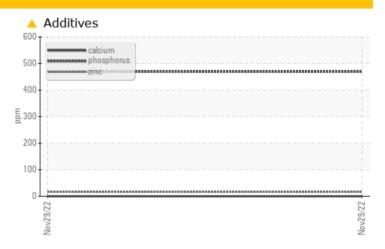
HP5

Component **Hydraulic System** 

PETRO CANADA HYDREX AW 46 (430 LTR)

### **COMPONENT CONDITION SUMMARY**





#### RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as PETRO CANADA HYDREX AW 46, however, a fluid match indicates that this fluid is ISO 46 Environmental Oil. Please confirm the oil type and grade on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

#### PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	 
Iron	ppm	ASTM D5185(m)	>20	<b>△</b> 55	 
Calcium	ppm	ASTM D5185(m)	50	<u> </u>	 
Zinc	ppm	ASTM D5185(m)	430	<b>1</b> 6	 

Customer Id: WESCAP Sample No.: PC0029859 Lab Number: 02528645 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Alert	MISSED	Oct 02 2023	?	The fluid was specified as PETRO CANADA HYDREX AW 46, however, a fluid match indicates that this fluid is ISO 46 Environmental Oil. Please confirm the oil type and grade on your next sample.			
Information Required	MISSED	Oct 02 2023	?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.			
Check Fluid Source	MISSED	Oct 02 2023	?	Confirm the source of the lubricant being utilized for top-up/fill.			

## HISTORICAL DIAGNOSIS



## **OIL ANALYSIS REPORT**

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Sample Rating Trend

WEAR

HP5
Component

**Hydraulic System** 

PETRO CANADA HYDREX AW 46 (430 LTR)

#### DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as PETRO CANADA HYDREX AW 46, however, a fluid match indicates that this fluid is ISO 46 Environmental Oil. Please confirm the oil type and grade on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

#### Wear

Iron ppm levels are noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. All other 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.

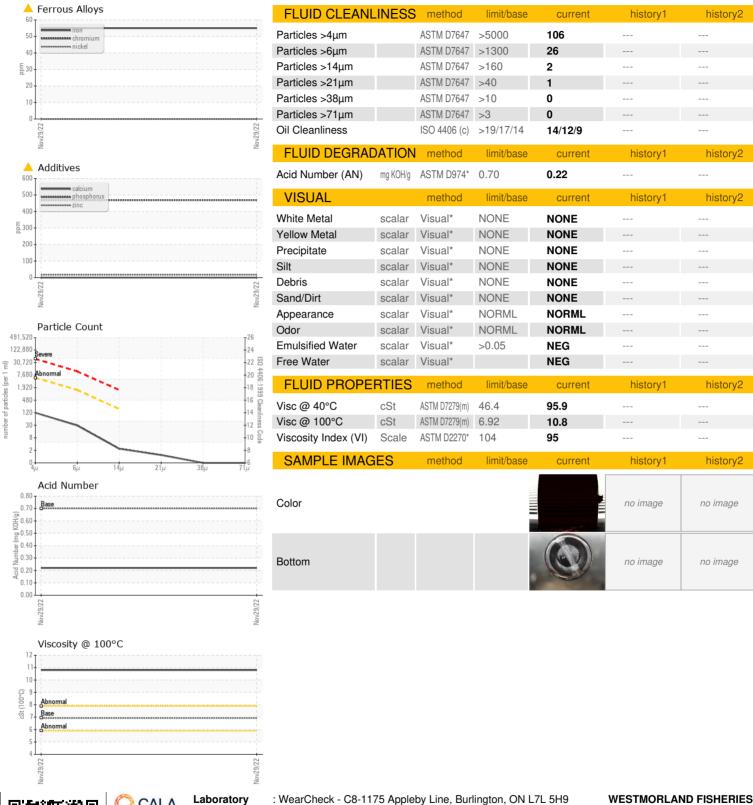
#### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

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CAMPLE INCOR	NANTIONI	and the second		Nov2022	Internal	In late on O
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0029859		
Sample Date		Client Info		29 Nov 2022		
Machine Age	mths	Client Info		56		
Oil Age	mths	Client Info		56		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
<b>PQ</b>		ASTM D8184*		0		
ron	ppm	ASTM D5185(m)	>20	<u> </u>		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	0		
Γitanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>20	0		
ead	ppm	ASTM D5185(m)	>20	<1		
Copper	ppm	ASTM D5185(m)	>20	3		
- in	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)		<1		
/anadium	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		
Nolybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)	0	1		
/lagnesium	ppm	ASTM D5185(m)	0	0		
Calcium	ppm	ASTM D5185(m)	50	<u> </u>		
Phosphorus	ppm	ASTM D5185(m)	330	469		
Zinc	ppm	ASTM D5185(m)	430	<u> </u>		
Sulfur	ppm	ASTM D5185(m)	760	886		
_ithium	ppm	ASTM D5185(m)		<1		
	ppiii	. ,				
CONTAMINAN		method	limit/base	current	history1	history2
			limit/base >15	current 4	history1	history2
CONTAMINAN Silicon Sodium	ITS	method				



## OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number** 

: PC0029859

Received : 02528645

Diagnosed : 5501643 Diagnostician : Kevin Marson

Test Package : IND 2 (Additional Tests: KV100, PQ, VI)

: 14 Dec 2022

: 15 Dec 2022

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.

**64 GAUTREAU STREET** CAP-PELE, NB

**CA E4N 1V3** Contact: Ferson Love Guerrero

ferson.guerrero@westmorlandfisheries.ca

T: F: