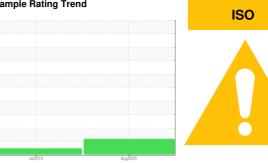


# **OIL ANALYSIS REPORT**

Sample Rating Trend



# TRPC DRAFT TUBE HPU

Component

**Hydraulic System** 

PETRO CANADA ENVIRON AW 32 (--- GAL

## **DIAGNOSIS**

### Recommendation

We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

#### Wear

All component wear rates are normal.

## Contamination

Particles >4µm are abnormally high. Particles >6µm are abnormally high. Particles >14µm are notably high.

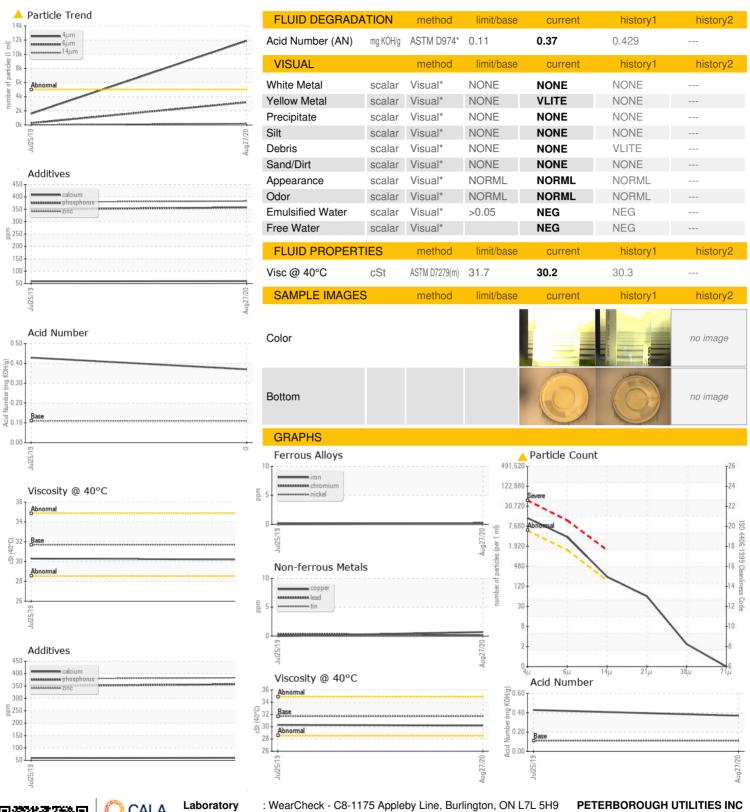
### **Fluid Condition**

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.

-)			Jul2019	Aug2020		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0488629	WC0306727	
Sample Date		Client Info		27 Aug 2020	25 Jul 2019	
Machine Age	yrs	Client Info		10	0	
Oil Age	yrs	Client Info		5 Not 0b an ad	-	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				ABNORMAL	NORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<1	<1	
Chromium	ppm	ASTM D5185(m)	>20	<1	0	
Nickel	ppm	ASTM D5185(m)	>20	0	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>20	0	0	
Lead	ppm	ASTM D5185(m)	>20	<1	<1	
Copper	ppm	ASTM D5185(m)	>20	<1	0	
Tin	ppm	ASTM D5185(m)	>20	0	0	
Antimony	ppm	ASTM D5185(m)		<1	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	<1	0	
Barium	ppm	ASTM D5185(m)	0	0	0	
Molybdenum	ppm	ASTM D5185(m)	0	0	0	
Manganese	ppm	ASTM D5185(m)	0	0	<1	
Magnesium	ppm	ASTM D5185(m)	0	<1	1	
Calcium	ppm	ASTM D5185(m)	0	60	59	
Phosphorus	ppm	ASTM D5185(m)	650	357	350	
Zinc	ppm	ASTM D5185(m)	0	383	379	
Sulfur	ppm	ASTM D5185(m)	1280	989	978	
Lithium	ppm	ASTM D5185(m)		<1	0	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	0	<1	
Sodium	ppm	ASTM D5185(m)		0	0	
Potassium	ppm	ASTM D5185(m)	>20	<1	0	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	<u> </u>	1590	
Particles >6µm		ASTM D7647	>1300	<b>A</b> 3208	264	
Particles >14µm		ASTM D7647	>160	<b>207</b>	18	
Particles >21µm		ASTM D7647	>40	54	7	
Particles >38µm		ASTM D7647	>10	2	1	
Particles >71μm		ASTM D7647	>3	0	0	
				•	· ·	



# OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Sample No. Lab Number **Unique Number** 

Test Package

: WC0488629

: 02373511

Recieved Diagnosed

: 01 Sep 2020 : 02 Sep 2020 : Kevin Marson

Diagnostician

To discuss this sample report, contact Customer Service at 1-800-268-2131.

: 5096959

: IND 2

1867 ASHBURNHAM DRIVE PETERBOROUGH, ON **CA K9L 1P8** 

Contact: Nelson Ross nross@pui.ca T: (705)760-6119

F: (705)748-3138

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.