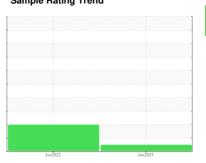


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id 1965

Hydraulic System

PETRO CANADA HYDREX XV ALL SEASON H

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

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.

DRAULIC OIL (	JU LIN)					
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0087745	PC0076488	
Sample Date		Client Info		24 Jun 2024	27 Jun 2023	
fachine Age	yrs	Client Info		0	0	
Dil Age	yrs	Client Info		2	2	
Oil Changed		Client Info		Changed	N/A	
ample Status				NORMAL	ATTENTION	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Vater		WC Method	>0.05	NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
on	ppm	ASTM D5185(m)	>20	0	<1	
hromium	ppm	ASTM D5185(m)	>20	0	0	
ickel	ppm	ASTM D5185(m)	>20	<1	0	
itanium	ppm	ASTM D5185(m)		0	0	
ilver	ppm	ASTM D5185(m)		0	0	
luminum	ppm	ASTM D5185(m)	>20	<1	<1	
ead	ppm	ASTM D5185(m)	>20	0	0	
opper	ppm	ASTM D5185(m)	>20	2	1	
in	ppm	ASTM D5185(m)	>20	0	0	
ntimony	ppm	ASTM D5185(m)		0	0	
,		( /				
anadium	mqq	ASTM D5185(m)		0	0	
	ppm	ASTM D5185(m) ASTM D5185(m)		0		
anadium Beryllium Cadmium	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 0 0	0 0 0	
eryllium	ppm	ASTM D5185(m)	limit/base	0	0	
eryllium admium ADDITIVES	ppm	ASTM D5185(m) ASTM D5185(m)	limit/base	0	0	
eryllium admium ADDITIVES oron	ppm	ASTM D5185(m) ASTM D5185(m) method	0	0 0 current	0 0 history1	  history2
eryllium admium ADDITIVES oron arium	ppm ppm	ASTM D5185(m) ASTM D5185(m) method ASTM D5185(m)	0	0 0 current	0 0 history1 <1	 history2
eryllium admium ADDITIVES oron arium lolybdenum	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0	0 0 current <1 0	0 0 history1 <1 0	 history2 
eryllium admium  ADDITIVES oron arium olybdenum anganese	ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0	0 0 current <1 0	0 0 history1 <1 0	history2
eryllium admium  ADDITIVES  oron arium olybdenum langanese lagnesium	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)	0 0 0	0 0 current <1 0 0	0 0 history1 <1 0 0	history2
eryllium admium  ADDITIVES oron arium lolybdenum langanese lagnesium alcium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)	0 0 0 1	0 0 current <1 0 0 0	0 0 history1 <1 0 0 0 <1	history2
eryllium ladmium  ADDITIVES oron arium lolybdenum langanese lagnesium alcium hosphorus	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)  Method  ASTM D5185(m)	0 0 0 1 0 100	0 0 current <1 0 0 0 <1 97	0 0 history1 <1 0 0 0 0 <1 95	history2
eryllium admium  ADDITIVES oron arium lolybdenum langanese lagnesium alcium hosphorus	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)  Method  ASTM D5185(m)	0 0 0 1 0 100 670	0 0 current <1 0 0 0 <1 97 604	0 0 history1 <1 0 0 0 0 <1 95 643	history2
eryllium admium  ADDITIVES  oron arium lolybdenum langanese lagnesium alcium hosphorus inc ulfur	ppm	ASTM D5185(m)  Method  ASTM D5185(m)	0 0 0 1 0 100 670 850	0 0 current <1 0 0 0 <1 97 604 783	0 0 history1 <1 0 0 0 <1 95 643 776	history2
eryllium cadmium  ADDITIVES oron arium folybdenum flanganese flagnesium calcium chosphorus inc ulfur ithium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)  Method  ASTM D5185(m)	0 0 0 1 0 100 670 850	0 0 current <1 0 0 0 <1 97 604 783 1436	0 0 history1 <1 0 0 0 <1 95 643 776 1488	history2
eryllium cadmium ADDITIVES oron arium lolybdenum langanese lagnesium calcium hosphorus inc ulfur ithium CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)  Method  ASTM D5185(m)	0 0 0 1 0 100 670 850 1600	0 0 current <1 0 0 0 <1 97 604 783 1436 <1	0 0 history1 <1 0 0 0 0 <1 95 643 776 1488	history2
eryllium cadmium ADDITIVES oron arium flolybdenum flanganese flagnesium calcium hosphorus inc ulfur ithium CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)	0 0 0 1 0 100 670 850 1600	0 0 0 current <1 0 0 0 0 <1 97 604 783 1436 <1	0 0 history1 <1 0 0 0 0 <1 95 643 776 1488 <1 history1	history2 history2
eryllium admium	ppm	ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)	0 0 0 1 0 100 670 850 1600	0 0 0 current <1 0 0 0 <1 97 604 783 1436 <1 current	0 0 history1 <1 0 0 0 0 <1 95 643 776 1488 <1 history1	history2 history2
eryllium admium  ADDITIVES  oron arium lolybdenum langanese lagnesium alcium hosphorus inc ulfur ithium  CONTAMINAN ilicon odium otassium	ppm	ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)	0 0 0 1 0 100 670 850 1600	0 0 0 current <1 0 0 0 <1 97 604 783 1436 <1 current	0 0 history1 <1 0 0 0 0 <1 95 643 776 1488 <1 history1 <1 0	history2 history2 history2
eryllium admium  ADDITIVES oron arium lolybdenum langanese lagnesium alcium hosphorus inc ulfur ithium  CONTAMINAN ilicon odium otassium	ppm	ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)	0 0 0 1 0 100 670 850 1600	0 0 current <1 0 0 0 <1 97 604 783 1436 <1 current <1 0 <1	0 0 history1 <1 0 0 0 <1 95 643 776 1488 <1 history1 <1 0 <1	history2
eryllium admium  ADDITIVES oron arium lolybdenum langanese lagnesium alcium hosphorus inc ulfur tthium  CONTAMINAN ilicon odium otassium  FLUID CLEAN articles >4µm	ppm	ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)  MASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0 1 0 100 670 850 1600	0 0 0 current <1 0 0 0 0 <1 97 604 783 1436 <1 current <1 0 current	0 0 history1 <1 0 0 0 0 0 <1 95 643 776 1488 <1 history1 <1 0 <1	history2 history2 history2 history2
eryllium cadmium ADDITIVES oron arium dolybdenum danganese dagnesium calcium chosphorus inc ulfur ithium CONTAMINAN illicon odium otassium FLUID CLEAN carticles >4µm articles >6µm	ppm	ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)	0 0 0 1 0 100 670 850 1600 limit/base >15	0 0 current <1 0 0 0 <1 97 604 783 1436 <1 current <1 0 <11 current 871	0 0 history1 <1 0 0 0 0 0 <1 95 643 776 1488 <1 history1 <1 0 <1 0 5037	history2 history2 history2 history2 history2
eryllium cadmium ADDITIVES oron arium dolybdenum danganese dagnesium calcium hosphorus inc ulfur ithium CONTAMINAN illicon odium otassium FLUID CLEAN articles >4µm articles >6µm articles >14µm	ppm	ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)  MASTM D5185(m) ASTM D5185(m)	0 0 0 1 0 100 670 850 1600 limit/base >15 >20 limit/base >5000 >1300	0 0 current <1 0 0 0 <1 97 604 783 1436 <1 current <1 0 <1 current 871 154	0 0 history1 <1 0 0 0 0 <1 95 643 776 1488 <1 history1 <1 0 <1 bistory1  5037 1569	history2 history2 history2 history2 history2
eryllium radmium  ADDITIVES oron arium folybdenum flanganese flagnesium ralcium rhosphorus inc ulfur ithium  CONTAMINAN ilicon odium otassium  FLUID CLEAN rarticles >4µm articles >14µm articles >21µm	ppm	ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)  MASTM D5185(m)  MASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D7647 ASTM D7647	0 0 0 1 0 100 670 850 1600 limit/base >15 >20 limit/base >5000 >1300 >160	0 0 current <1 0 0 0 <1 97 604 783 1436 <1 current <1 0 <1 current 871 154 11	0 0 history1 <1 0 0 0 0 0 <1 95 643 776 1488 <1 history1 <1 0 <1 history1  5037 1569 199	history2 history2 history2 history2 history2
eryllium cadmium ADDITIVES oron arium folybdenum langanese flagnesium hosphorus inc ulfur ithium CONTAMINAN ilicon odium	ppm	ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)  method  ASTM D5185(m) ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647	0 0 0 1 0 100 670 850 1600 limit/base >15 >20 limit/base >5000 >1300 >160 >40	0 0 current <1 0 0 0 0 <1 97 604 783 1436 <1 current <1 0 <1 current 871 154 11 5	0 0 history1 <1 0 0 0 0 <1 95 643 776 1488 <1 history1 <1 0 <1 history1  5037 1569 199 57	history2 history2 history2 history2



## OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number Unique Number : 5801581

: PC0087745

: 02644042

Received **Tested** Diagnosed

: 25 Jun 2024 : 26 Jun 2024

: 26 Jun 2024 - 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.

Report Id: WALFER [WCAMIS] 02644042 (Generated: 06/26/2024 08:29:24) Rev: 1

938 GLENGARRY CRESCENT FERGUS, ON

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