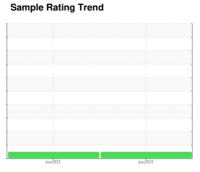


OIL ANALYSIS REPORT







Machine Id 2711 Component Hydraulic System

PETRO CANADA HYDREX XV ALL SEASON H

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.

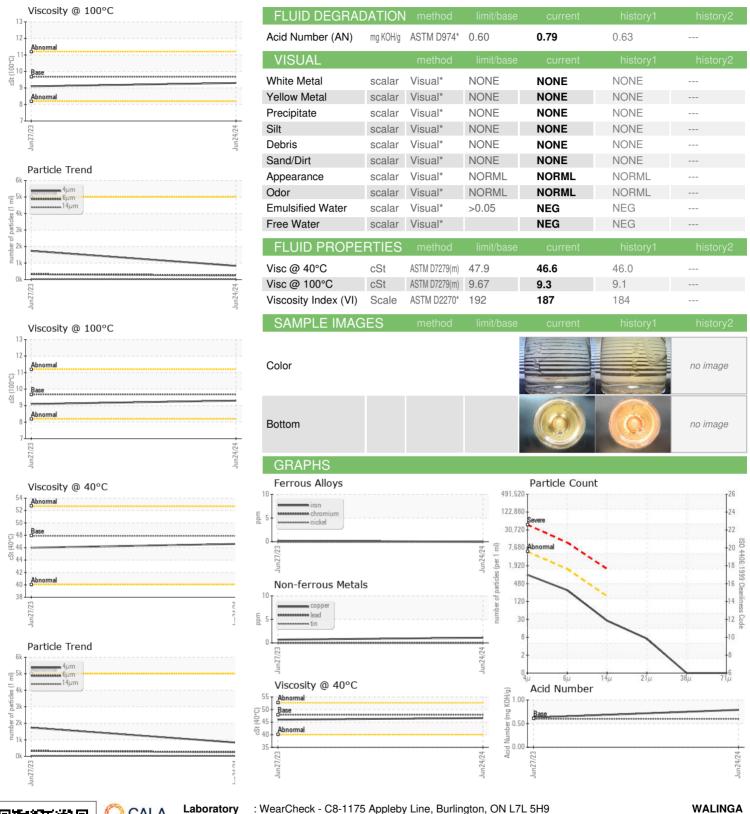
Fluid Condition

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

(GAL)		Jun 2023	Jun 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0087742	PC0076492	
Sample Date		Client Info		24 Jun 2024	27 Jun 2023	
Machine Age	yrs	Client Info		8	0	
Dil Age	yrs	Client Info		2	2	
Dil Changed	, -	Client Info		Changed	N/A	
Sample Status				NORMAL	NORMAL	
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	
lickel	ppm	ASTM D5185(III) ASTM D5185(m)	>20	0	<1	
itanium	ppm	ASTM D5185(m)	/20	0	0	
ilver	ppm	ASTM D5185(m)		0	0	
luminum		ASTM D5185(m)	>20	<1	0	
ead	ppm	ASTM D5185(m)	>20	0	0	
		ASTM D5185(m)	>20	1	<1	
opper in	ppm	ASTM D5185(m)		0	0	
	ppm	(/	>20	0	0	
ntimony	ppm	ASTM D5185(m)			0	
anadium	ppm	ASTM D5185(m)		0		
eryllium	ppm	ASTM D5185(m)		0	0	
admium	ppm	ASTM D5185(m)		0	0	
A D D I TIV / E O						
ADDITIVES		method	limit/base	current	history1	history2
	ppm	method ASTM D5185(m)	limit/base	<1	<1	history2
oron	ppm		0			
oron arium		ASTM D5185(m)	0	<1	<1	
oron arium lolybdenum	ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0	<1 0	<1	
oron arium lolybdenum langanese	ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0	<1 0 0	<1 0 0	
oron arium lolybdenum langanese lagnesium	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0	<1 0 0 0	<1 0 0 0	
oron arium lolybdenum langanese lagnesium alcium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0 1	<1 0 0 0 0 <1	<1 0 0 0 0 <1	
foron Jarium Molybdenum Manganese Magnesium Salcium Phosphorus	ppm ppm ppm ppm	ASTM D5185(m)	0 0 0 1 0 100	<1 0 0 0 0 <1 99	<1 0 0 0 0 <1 98	
oron arium lolybdenum langanese lagnesium calcium hosphorus	ppm ppm ppm ppm ppm	ASTM D5185(m)	0 0 0 1 0 100 670	<1 0 0 0 0 <1 99 594	<1 0 0 0 0 <1 98 655	
oron arium lolybdenum langanese lagnesium alcium hosphorus inc	ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 0 0 1 0 100 670 850	<1 0 0 0 0 <1 99 594 797	<1 0 0 0 0 <1 98 655 790	
doron darium Molybdenum Manganese Magnesium Calcium Chosphorus Gulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 0 0 1 0 100 670 850	<1 0 0 0 0 <1 99 594 797 1442	<1 0 0 0 0 <1 98 655 790 1421	
foron farium folybdenum flanganese flagnesium falcium flosphorus finc fulfur fithium floNTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 0 0 1 0 100 670 850 1600	<1 0 0 0 <1 99 594 797 1442 <1	<1 0 0 0 <1 98 655 790 1421 <1	
foron larium Molybdenum Manganese Magnesium Calcium Chosphorus inc fulfur ithium CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 0 0 1 0 100 670 850 1600	<1 0 0 0 <1 99 594 797 1442 <1	<1 0 0 0 <1 98 655 790 1421 <1	history2
oron arium lolybdenum langanese lagnesium calcium chosphorus inc ulfur ithium CONTAMINAN ilicon odium	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	<1 0 0 0 <1 99 594 797 1442 <1 current	<1 0 0 0 <1 98 655 790 1421 <1 history1	 history2
oron arium lolybdenum langanese lagnesium calcium chosphorus inc ulfur ithium CONTAMINAN ilicon odium otassium FLUID CLEAN	ppm	ASTM D5185(m)	0 0 0 1 0 100 670 850 1600	<1 0 0 0 <1 99 594 797 1442 <1 current 0	<1 0 0 0 <1 98 655 790 1421 <1 history1 <1	history2
oron arium lolybdenum langanese lagnesium calcium chosphorus inc ulfur ithium CONTAMINAN ilicon odium otassium FLUID CLEAN	ppm	ASTM D5185(m)	0 0 0 1 0 100 670 850 1600	<1 0 0 0 <1 99 594 797 1442 <1 current 0 0	<1 0 0 0 0 <1 98 655 790 1421 <1 history1 <1 0 <1	history2
oron arium lolybdenum langanese lagnesium alcium hosphorus inc ulfur ithium CONTAMINAN ilicon odium otassium FLUID CLEAN articles >4µm	ppm	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	<1 0 0 0 <1 99 594 797 1442 <1 current 0 0	<1 0 0 0 0 <1 98 655 790 1421 <1 history1 <1 0 <1	history2
doron darium Molybdenum Manganese Magnesium Phosphorus dinc duffur dithium CONTAMINAN dilicon dodium Potassium Particles >4µm Particles >6µm	ppm	ASTM D5185(m)	0 0 0 1 0 100 670 850 1600 limit/base >15	<1 0 0 0 <1 99 594 797 1442 <1 current 0 0 current	<1 0 0 0 0 <1 98 655 790 1421 <1 history1 <1 0 <1 1735	history2 history2
doron darium Molybdenum Manganese Magnesium Phosphorus dinc dulfur dithium CONTAMINAN dilicon dodium Potassium Particles >4µm Particles >6µm Particles >14µm Particles >14µm Particles >14µm Particles >14µm Particles >14µm	ppm	ASTM D5185(m) METHOD ASTM D5185(m)	0 0 0 1 0 100 670 850 1600 limit/base >15 >20 limit/base >5000 >1300 >160	<1 0 0 0 0 <1 99 594 797 1442 <1 current 0 0 current 830 254	<1 0 0 0 0 <1 98 655 790 1421 <1 history1 <1 0 <1 history1 1735 324	history2 history2
Boron Barium Molybdenum Manganese Magnesium Phosphorus Finc Bulfur Bithium CONTAMINAN Bilicon Bodium Potassium	ppm	ASTM D5185(m) METHOD 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	<1 0 0 0 0 <1 99 594 797 1442 <1 current 0 0 current 830 254 24	<1 0 0 0 0 <1 98 655 790 1421 <1 history1 <1 0 <1 history1 1735 324 27	history2 history2
doron darium Molybdenum Manganese Magnesium Palcium Phosphorus dinc dulfur dithium CONTAMINAN dilicon Potassium Particles >4µm Particles >14µm Particles >21µm Particles >21µm	ppm	ASTM D5185(m) METHOD 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 >10	<1 0 0 0 0 <1 99 594 797 1442 <1 current 0 0 current 830 254 24 6	<1 0 0 0 0 <1 98 655 790 1421 <1 history1 <1 0 <1 history1 1735 324 27 7	history2



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: PC0087742 Lab Number : 02644037 Unique Number : 5801576

Received : 25 Jun 2024 **Tested** : 26 Jun 2024 Diagnosed

: 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] 02644037 (Generated: 06/26/2024 08:29:43) Rev: 1

938 GLENGARRY CRESCENT

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Submitted By: Derek Gansekoele