

Machine Id

## OR1975

Rear Hydraulic System

## PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (84 LTR)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		GFL0113411	GFL0087347	,
The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Date		Client Info		29 Apr 2024	19 Jul 2023	
	Machine Age	hrs	Client Info		8207	6950	
	Oil Age	hrs	Client Info		1500	1000	
	Filter Age	hrs	Client Info		500	600	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				ABNORMAL	NORMAL	
VEAR	PQ		ASTM D8184*		2		
	Iron	ppm	ASTM D5185(m)	<20	<b>3</b> 0	19	
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.	Chromium		ASTM D5185(m) ASTM D5185(m)		<1	<1	
	Nickel	ppm	ASTM D5185(m)		0	0	
	Titanium	ppm	ASTM D5185(m) ASTM D5185(m)	>10	0 <1	<1	
		ppm				0	
	Silver Aluminum	ppm	ASTM D5185(m)	> 10	0 4	-	
	Lead	ppm				2	
		ppm	ASTM D5185(m)		0	<1	
	Copper	ppm	ASTM D5185(m)		5	4	
	Tin	ppm	ASTM D5185(m)	>10	0	0	
	Vanadium	ppm	ASTM D5185(m)				
	White Metal	scalar	Visual*	NONE	NONE	NONE	
	Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
	Silicon	ppm	ASTM D5185(m)	>20	13	8	
OUTTAMINATION	Potassium	ppm	ASTM D5185(m)		3	2	
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.	Water	PPIII	( /	>0.1	NEG	NEG	
	Particles >4µm		ASTM D7647		▲ 17316	2645	
	Particles >6µm		ASTM D7647		568	197	
	Particles >14µm		ASTM D7647		10	11	
	Particles >21µm		ASTM D7647		3	3	
	Particles >38µm		ASTM D7647		1	0	
	Particles >71µm		ASTM D7647	>3	1	0	
	Oil Cleanliness		ISO 4406 (c)		<u> </u>	19/15/11	
	Silt	scalar	Visual*	NONE	NONE	NONE	
	Debris	scalar	Visual*	NONE	NONE	NONE	
	Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
	Appearance	scalar	Visual*	NORML	NORML	NORML	
	Odor	scalar	Visual*	NORML	NORML	NORML	
	Emulsified Water			>0.1	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185(m)		2	1	
The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.	Boron	ppm	ASTM D5185(m)		2	1	
	Barium	ppm	ASTM D5185(m)		0	0	
	Molybdenum	ppm	ASTM D5185(m)		0	<1	
	Manganese	ppm	ASTM D5185(m)		<1	<1	
	Magnesium	ppm	ASTM D5185(m)		9	6	
	Calcium	ppm		100	633	357	
	Phosphorus	ppm	ASTM D5185(m)	670	780	784	
	Zinc	ppm	ASTM D5185(m)	850	950	928	
	Sulfur	ppm	ASTM D5185(m)	1600	2278	1984	

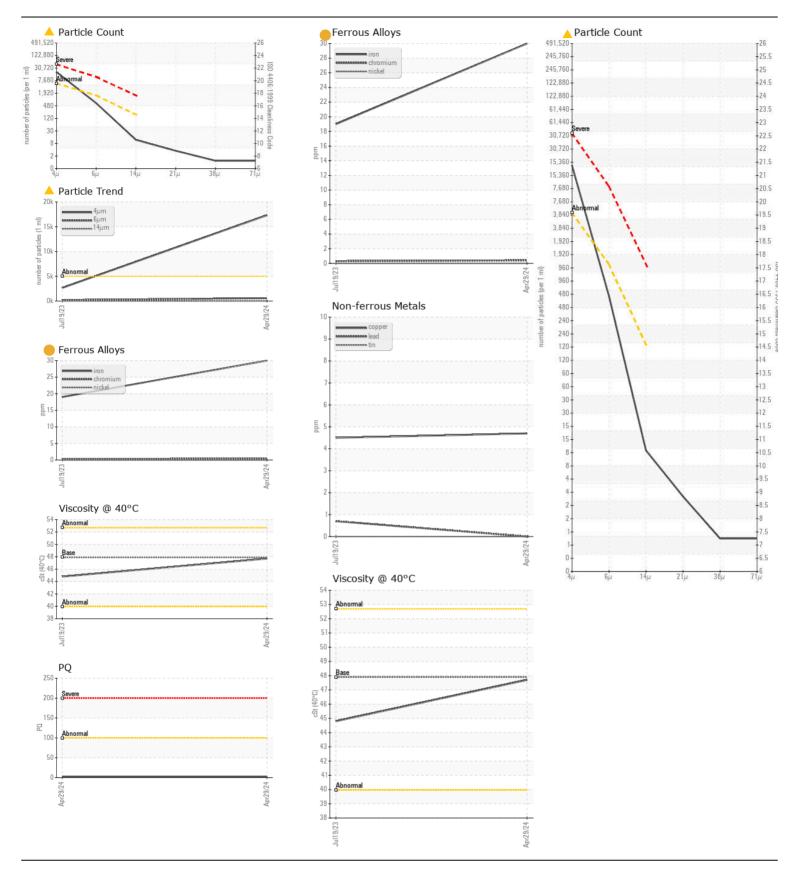
Visc @ 40°C

cSt

ASTM D7279(m) 47.9

44.8

47.7



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill CALA Sample No. : GFL0113411 Received :09 May 2024 17125 Lafleche Road, Lab Number : 10 May 2024 Moose Creek, ON : 02634364 Tested ISO 17025:2017 Accredited Laboratory : 10 May 2024 - Kevin Marson CA K0C 1W0 Unique Number : 5775517 Diagnosed Test Package : MOB 1 (Additional Tests: PQ, PrtCount) Contact: Charles Bergeron To discuss this sample report, contact Customer Service at 1-800-268-2131. cbergeron@gflenv.com T: (613)538-4853 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. F: Validity of results and interpretation are based on the sample and information as supplied.