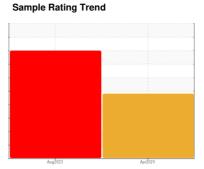


OIL ANALYSIS REPORT

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Machine Id
OR343

Hydraulic System

PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (87 LTR

DIAGNOSIS

Recommendation

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation.

Wear

All component wear rates are normal.

▲ Contamination

There is a high amount of particulates (2 to 100 microns in size) present in the oil.

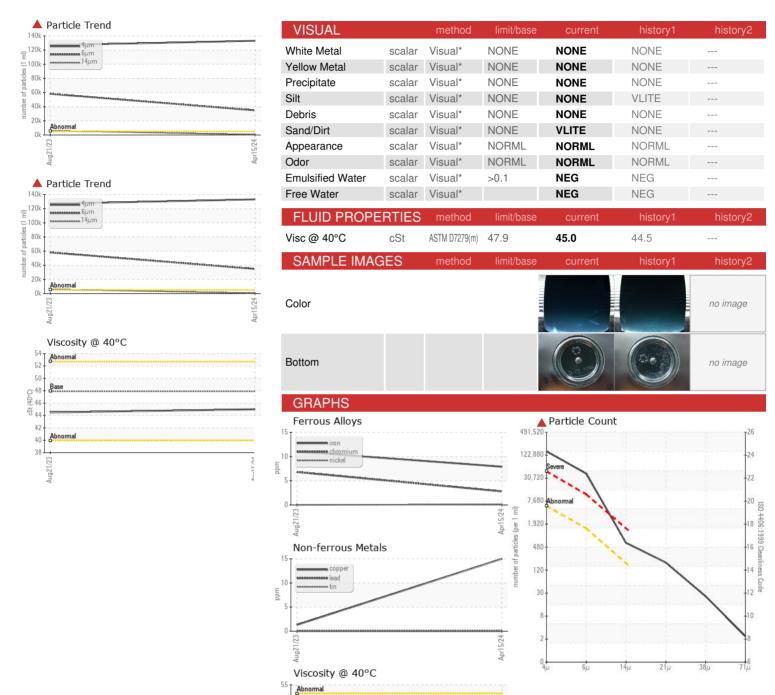
Fluid Condition

The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

YDRAULIC OIL ((87 LTR)		Aug2023	Apr2024		
SAMPLE INFOR		method	limit/base	current	history1	history2
			IIIIIIVDase		•	·
Sample Number		Client Info		GFL0113341	GFL0092256	
Sample Date		Client Info		15 Apr 2024	21 Aug 2023	
Machine Age	hrs	Client Info		16058	15462	
Oil Age	hrs	Client Info		16058	500	
Oil Changed		Client Info		Changed	Not Changd	
Sample Status				SEVERE	SEVERE	
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	8	11	
Chromium	ppm	ASTM D5185(m)	>10	3	7	
Nickel	ppm	ASTM D5185(m)	>10	<1	0	
Titanium	ppm	ASTM D5185(m)		0	<1	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>10	<1	2	
Lead	ppm	ASTM D5185(m)	>10	0	0	
Copper	ppm	ASTM D5185(m)	>75	15	1	
Tin	ppm	ASTM D5185(m)	>10	0	0	
Antimony	ppm	ASTM D5185(m)		0	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	<1	
Barium	ppm	ASTM D5185(m)	0	0	0	
Molybdenum	ppm	ASTM D5185(m)	0	0	0	
Manganese	ppm	ASTM D5185(m)	1	<1	0	
Magnesium	ppm	ASTM D5185(m)	0	5	3	
Calcium	ppm	ASTM D5185(m)	100	108	112	
Phosphorus	ppm	ASTM D5185(m)	670	601	664	
Zinc	ppm	ASTM D5185(m)	850	786	791	
Sulfur	ppm	ASTM D5185(m)	1600	1400	1450	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	<1	4	
Sodium	ppm	ASTM D5185(m)		<1	3	
Potassium	ppm	ASTM D5185(m)	>20	0	1	
FLUID CLEAN	NLINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	133065	▲ 126854	
Particles >6µm		ASTM D7647	>1300	4 34783	▲ 58064	
Particles >14µm		ASTM D7647	>160	<u>▲</u> 545	▲ 5899	
Particles >21µm		ASTM D7647	>40	167	1 326	
Particles >38µm		ASTM D7647	>10	^ 22	<u>^</u> 29	
Particles >71μm		ASTM D7647	>3	2	3	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	24/22/16	4 24/23/20	



OIL ANALYSIS REPORT







Laboratory Sample No.

: GFL0113341 Lab Number : 02630971 Unique Number : 5772124

Received **Tested**

Diagnosed

: 23 Apr 2024

: 23 Apr 2024

: 23 Apr 2024 - Wes Davis

Test Package : MOB 1 (Additional Tests: PrtCount)

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.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill

17125 Lafleche Road, Moose Creek, ON CA K0C 1W0

Contact: Charles Bergeron cbergeron@gflenv.com T: (613)538-4853