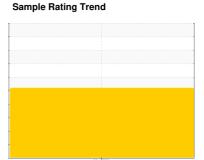


OIL ANALYSIS REPORT

DT







Component

Hydraulic System

PETRO CANADA HYDREX MV 32 (--- GAL)

DIAGNOSIS

Machine Id **501128**

▲ Recommendation

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. 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 viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

		·				
				Mar 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0107881		
Sample Date		Client Info		04 Mar 2024		
Machine Age	kms	Client Info		361957		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				SEVERE		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	6		
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)	>10	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	ASTM D5185(m)	>10	<1		
Lead	ppm	ASTM D5185(m)	>10	7		
Copper	ppm	ASTM D5185(m)	>75	3		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<1		
Barium	ppm	. ,	0	0		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)	1	0		
Magnesium	ppm	ASTM D5185(m)	0	1		
Calcium	ppm	ASTM D5185(m)	50	86		
Phosphorus	ppm	ASTM D5185(m)	330	327		
Zinc	ppm	ASTM D5185(m)	430	408		
Sulfur	ppm	ASTM D5185(m)	760	842		
Lithium	ppm	ASTM D5185(m)	. 00	<1		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	2		
Sodium	ppm	ASTM D5185(m)		1		
Potassium	ppm	ASTM D5185(m)	>20	<1		
FLUID CLEAN	LINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ 91582		
Particles >6µm		ASTM D7647	>1300	21675		
Particles >14μm		ASTM D7647	>160	<u>▲</u> 601		
Particles >21µm		ASTM D7647	>40	<u> </u>		
Particles >38µm		ASTM D7647	>10	<u> </u>		
•		ASTM D7647	>3			
Particles >71µm		A311VI D7047	>0	2		



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: GFL0107881

: 02619947 Unique Number : 5737057

Received **Tested** : 06 Mar 2024 - Kevin Marson Diagnosed

: 05 Mar 2024 : 06 Mar 2024

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 310 - Winnipeg #360 - 555 Hervo Street, Winnipeg, MB CA R3T 3L6

> Contact: Joshua Lourenco jlourenco@gflenv.com

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.

Contact/Location: Joshua Lourenco - GFL310

T: (204)987-9600