

OIL ANALYSIS REPORT

Machine Id 113006

Component

Hydraulic System

PETRO CANADA HYDREX AW 32 (--- GAL)

Sample Rating Trend ADDITIVES Mad 2024

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

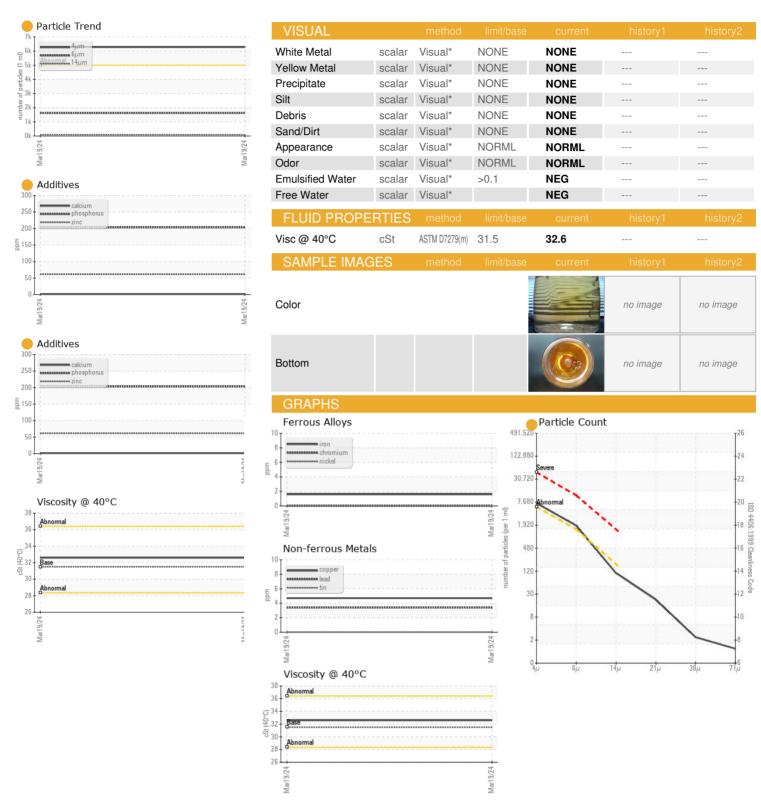
Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

				Mar2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0107892		
Sample Date		Client Info		19 Mar 2024		
Machine Age	kms	Client Info		50943		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ATTENTION		
CONTAMINAT	TION	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	2		
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)		0		
Aluminum	ppm	ASTM D5185(m)	>10	<1		
Lead	ppm	ASTM D5185(m)	>10	3		
Copper	ppm	ASTM D5185(m)		5		
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	le le · · ·	method	limit/base	current	history1	history2
					,	
Boron	ppm	ASTM D5185(m)	0	<1		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	0	<1		
Calcium	ppm	ASTM D5185(m)	50	<u>1</u>		
Phosphorus	ppm	ASTM D5185(m)	330	203		
Zinc	ppm	ASTM D5185(m)	430	<u>61</u>		
Sulfur	ppm	ASTM D5185(m)	760	300		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	3		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	<1		
FLUID CLEAN	ILINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	6280		
Particles >6µm		ASTM D7647	>1300	1624		
Particles >14µm		ASTM D7647	>160	94		
Particles >21µm		ASTM D7647	>40	19		
Particles >38µm		ASTM D7647	>10	2		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/14		



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No.

Lab Number : 02624725 Unique Number : 5749844

: GFL0107892

Received **Tested**

Diagnosed Test Package : MOB 1 (Additional Tests: PrtCount) : 26 Mar 2024

: 27 Mar 2024

: 27 Mar 2024 - Kevin Marson

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 - 310 - Winnipeg

#360 - 555 Hervo Street, Winnipeg, MB CA R3T 3L6

Contact: Joshua Lourenco jlourenco@gflenv.com T: (204)987-9600