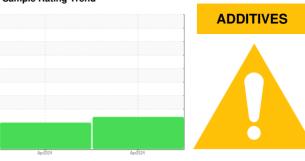


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **DR191**

2 Hydraulic System

PETRO CANADA ENVIRON MV 46 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

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

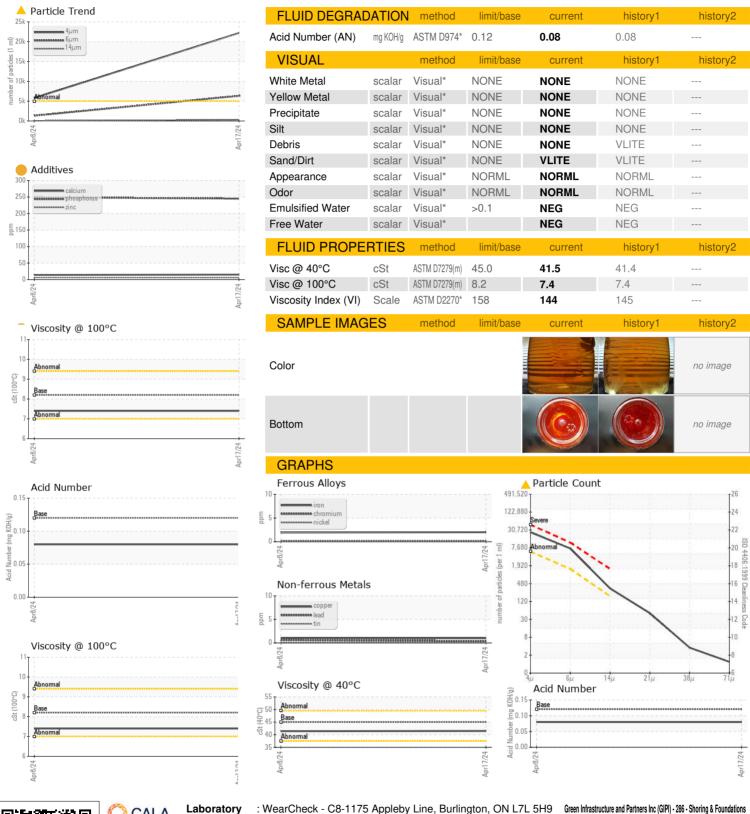
Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

_						
)		,	Apr2024	Apr2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0080521	PC0087890	
Sample Date		Client Info		17 Apr 2024	08 Apr 2024	
Machine Age	hrs	Client Info		0	1812	
Oil Age	hrs	Client Info		0	0	
Oil Changed	0	Client Info		N/A	Not Changd	
Sample Status				ABNORMAL	ATTENTION	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	2	2	
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	
Nickel	ppm	ASTM D5185(m)	>10	0	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>10	0	0	
Lead	ppm	ASTM D5185(m)	>10	<1	<1	
Copper	ppm	ASTM D5185(m)	>75	1	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	3	3	
Barium	ppm	ASTM D5185(m)	0	0	0	
Molybdenum	ppm	ASTM D5185(m)	0	0	0	
Manganese	ppm	ASTM D5185(m)	0	0	0	
Magnesium	ppm	ASTM D5185(m)	0	1	<1	
Calcium	ppm	ASTM D5185(m)	0	15	14	
Phosphorus	ppm	ASTM D5185(m)	650	245	249	
Zinc	ppm	ASTM D5185(m)	0	6	6	
Sulfur	ppm	ASTM D5185(m)	1420	2275	2415	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	<1	0	
Sodium	ppm	ASTM D5185(m)		2	2	
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	
FLUID CLEAN	LINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u>22212</u>	5789	
Particles >6µm		ASTM D7647	>1300	6346	1330	
Particles >14µm		ASTM D7647	>160	291	61	
Particles >21µm		ASTM D7647	>40	43	15	
Particles >38µm		ASTM D7647	>10	3	1	
Particles >71µm		ASTM D7647	>3	1	1	
		7101111 27017	-0	• <u> </u>	1	



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02630933 Unique Number : 5772086

: PC0080521

Received : 23 Apr 2024 **Tested** : 24 Apr 2024

Diagnosed : 24 Apr 2024 - Kevin Marson

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: GFL286 [WCAMIS] 02630933 (Generated: 04/24/2024 11:36:31) Rev: 1

Contact/Location: Shannon Abbott - GFL286

151 Ram Forest Rd,

sabbott@gipi.com T: (905)750-5900

Contact: Shannon Abbott

Stouffville, ON

CA L4A 2G8