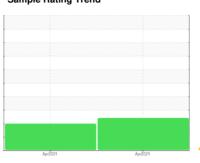


# **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id **DR191** 

1 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

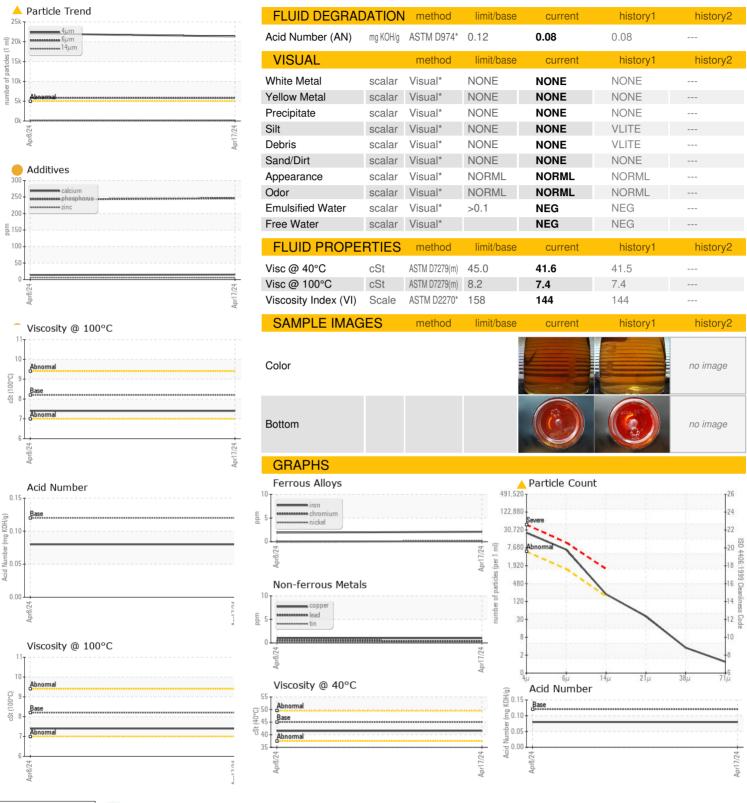
Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

)			Apr2024	Apr2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0080589	PC0087894	
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	1110	Client Info		N/A	Not Changd	
Sample Status				ABNORMAL	ABNORMAL	
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	<u>-</u> <1	0	
Nickel	ppm	ASTM D5185(m)	>10	0	0	
Titanium	ppm	ASTM D5185(m)	710	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)	710	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	2	
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	. ,		15	14	
Phosphorus	ppm	ASTM D5185(m)	650	<b>246</b>	242	
Zinc	ppm	ASTM D5185(m)	0	6	6	
Sulfur	ppm	ASTM D5185(m)	1420	2317	2353	
Lithium	ppm	ASTM D5185(m)	1420	<1	<1	
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	0	0	
Sodium	ppm	ASTM D5185(m)		2	2	
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	
FLUID CLEAN	LINESS		limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u>^</u> 21347	<u>^</u> 22058	
Particles >6µm		ASTM D7647	>1300	<u>▲</u> 5815	▲ 5863	
Particles >14µm		ASTM D7647	>160	<u> </u>	137	
Particles >21µm		ASTM D7647	>40	34	25	
Particles >38µm		ASTM D7647	>10	3	2	
Particles >71μm		ASTM D7647		1	1	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>A</u> 22/20/15	22/20/14	 Abbott - GEL 286

Contact/Location: Shannon Abbott - GFL286



# OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Green Infrastructure and Partners Inc (GIPI) - 286 - Shoring & Foundations : PC0080589

To discuss this sample report, contact Customer Service at 1-800-268-2131.

: 02630932 Unique Number : 5772085

Test Package : IND 2 (Additional Tests: KV100, VI)

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.

Received Tested Diagnosed

: 23 Apr 2024 : 23 Apr 2024

: 24 Apr 2024 - Kevin Marson

Stouffville, ON **CA L4A 2G8** Contact: Shannon Abbott sabbott@gipi.com T: (905)750-5900

151 Ram Forest Rd,

Report Id: GFL286 [WCAMIS] 02630932 (Generated: 04/24/2024 06:17:13) Rev: 1

Contact/Location: Shannon Abbott - GFL286