

OIL ANALYSIS REPORT



NORMAL



Machine Id **CR253 Left Final Drive**

PETRO CANADA ENDURATEX EP 220 (---

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

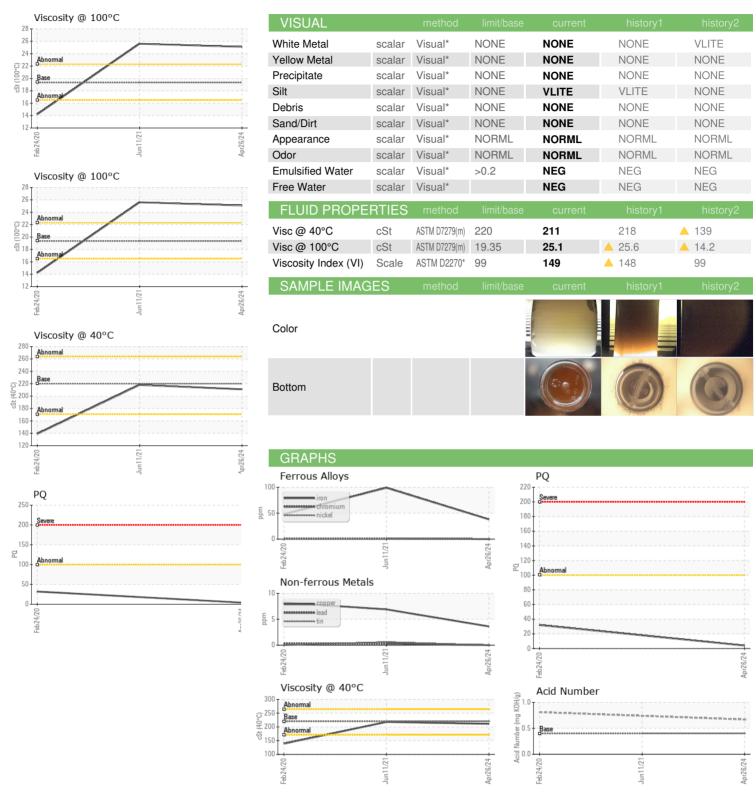
Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The viscosity of the oil is higher than normal, possibly indicating the addition of a heavier grade of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

GAL)		Fel	2020	Jun2021 Apr20	124	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0087863	PC0047756	PC0022594
Sample Date		Client Info		26 Apr 2024	11 Jun 2021	24 Feb 2020
Machine Age	hrs	Client Info		8766	4329	3362
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
PQ		ASTM D8184*		4		32
Iron	ppm	ASTM D5185(m)	>500	38	99	48
Chromium	ppm	ASTM D5185(m)	>10	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	0	<1	<1
Titanium	ppm	ASTM D5185(m)		<1	1	<1
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	4	19	<1
Lead	ppm	ASTM D5185(m)	>25	0	<1	<1
Copper	ppm	ASTM D5185(m)	>50	4	7	8
Tin	ppm	ASTM D5185(m)	>10	0	<1	0
Antimony	ppm	ASTM D5185(m)	>5	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	<1	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	60	16	21	2
Barium	ppm	ASTM D5185(m)		<1	<1	10
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		<1	2	2
Magnesium	ppm	ASTM D5185(m)	0	5	20	2
Calcium	ppm	ASTM D5185(m)		42	167	24
Phosphorus	ppm	ASTM D5185(m)	270	387	416	291
Zinc	ppm	ASTM D5185(m)	0	6	11	14
Sulfur	ppm	ASTM D5185(m)	11200	4833	5367	15869
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	14	73	3
Sodium	ppm	ASTM D5185(m)	270	2	8	6
Potassium	ppm	ASTM D5185(m)	>20	2	8	4
FLUID DEGRA			limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.40	0.67		0.812



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02634679 Unique Number : 5775832

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : PC0087863 Received : 10 May 2024

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

: 13 May 2024 : 13 May 2024 - Kevin Marson

151 Ram Forest Rd, Stouffville, ON **CA L4A 2G8** Contact: Shannon Abbott sabbott@gipi.com

Green Infrastructure and Partners Inc (GIPI) - 286 - Shoring & Foundations

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] 02634679 (Generated: 05/13/2024 13:10:10) Rev: 1

Contact/Location: Shannon Abbott - GFL286

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