

Machine Id
DR184

Component
Left Final Drive

Fluid
PETRO CANADA ENDURATEX EP 220 (20 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	PC0078064	PC0061373	PC0044025	
Sample Date	Client Info	06 Jun 2023	19 Aug 2022	22 Aug 2021	
Machine Age	hrs	Client Info	0	6708	4896
Oil Age	hrs	Client Info	0	0	1000
Oil Changed	Client Info	Changed	Changed	Changed	
Sample Status		NORMAL	NORMAL	NORMAL	

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185(m)	>500	15	33	30
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	<1
Nickel	ppm	ASTM D5185(m)		<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	8	<1
Lead	ppm	ASTM D5185(m)	>25	0	0	0
Copper	ppm	ASTM D5185(m)	>50	0	0	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Antimony	ppm	ASTM D5185(m)		0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	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	28	27	19
Barium	ppm	ASTM D5185(m)	0	0	0	2
Molybdenum	ppm	ASTM D5185(m)	0	<1	0	0
Manganese	ppm	ASTM D5185(m)	0	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	4	5	<1
Calcium	ppm	ASTM D5185(m)	0	5	29	4
Phosphorus	ppm	ASTM D5185(m)	270	434	417	430
Zinc	ppm	ASTM D5185(m)	0	9	6	19
Sulfur	ppm	ASTM D5185(m)	11200	4642	4836	4832
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

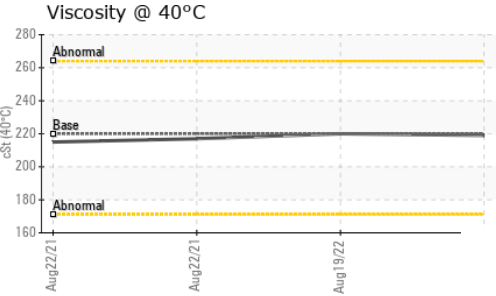
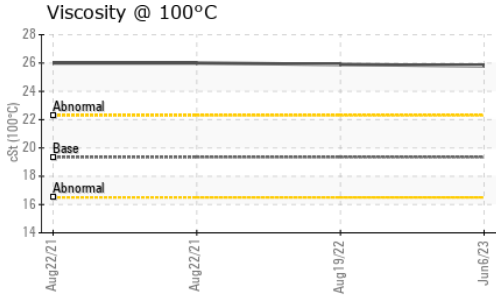
CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185(m)	>75	2	33	2
Sodium	ppm	ASTM D5185(m)		<1	2	1
Potassium	ppm	ASTM D5185(m)	>20	<1	4	1

VISUAL

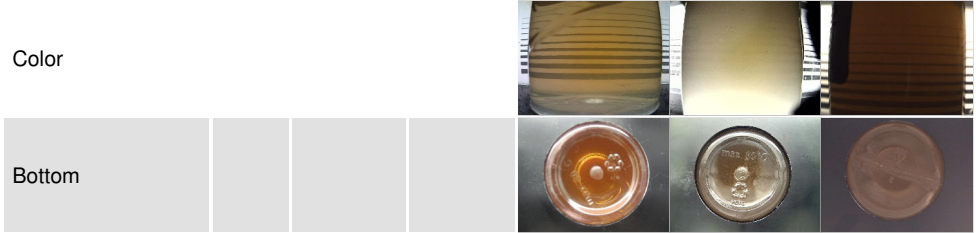
method	limit/base	current	history1	history2		
White Metal	scalar	Visual*	NONE	NONE	VLITE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	HAZY	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

OIL ANALYSIS REPORT

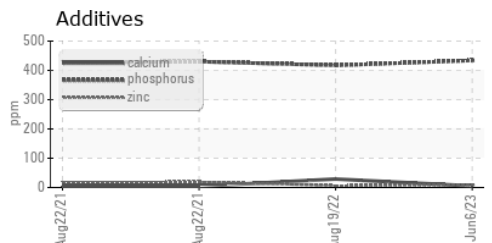
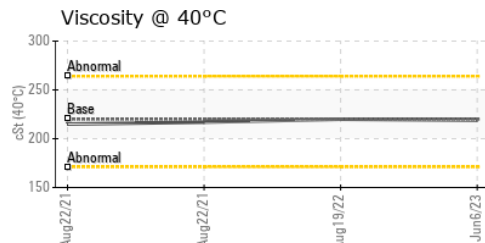
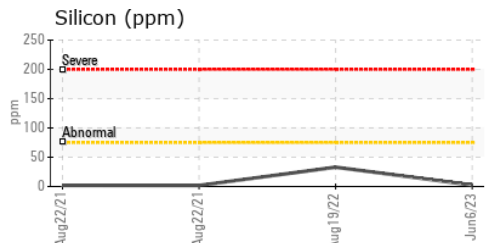
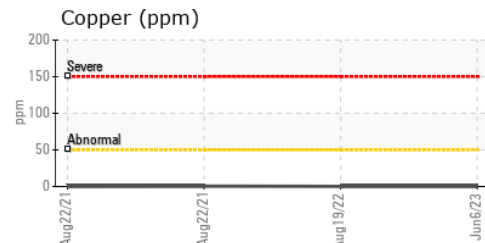
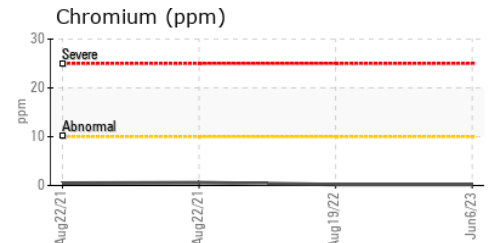
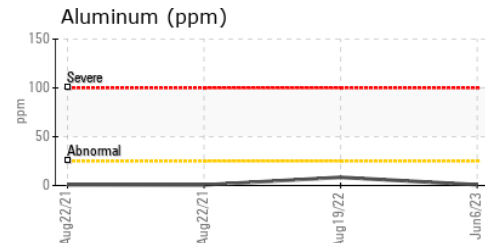
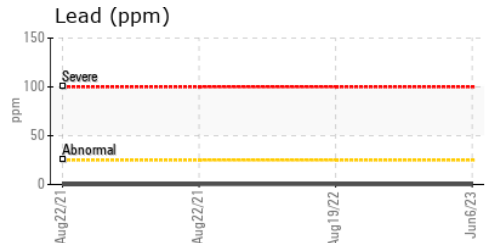
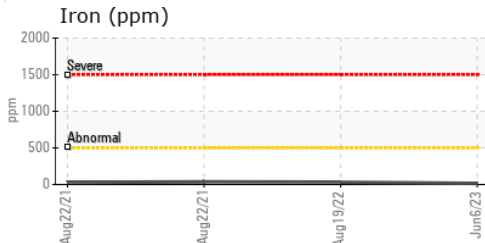


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	219	220	217
Visc @ 100°C	cSt	ASTM D7279(m)	19.35	25.8	25.9	26.0
Viscosity Index (VI)	Scale	ASTM D2270*	99	149	149	152

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Green Infrastructure and Partners Inc (GIPI) - 286 - Shoring & Foundations
Sample No. : PC0078064 **Received** : 25 Jul 2023
Lab Number : 02571997 **Diagnosed** : 25 Jul 2023
Unique Number : 5617048 **Diagnostician** : Wes Davis
Test Package : MOB 1 (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.

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