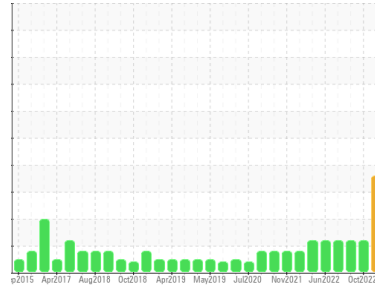




Machine Id
TRAYLOR 54-74 211-GC1

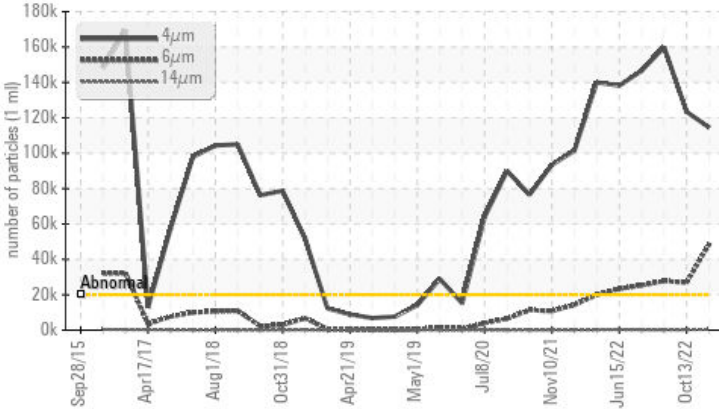
Component
Crusher

Fluid
PETRO CANADA ENDURATEX EP 320 (2200 LTR)



COMPONENT CONDITION SUMMARY

Particle Trend



RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>20000	▲ 114542	▲ 123420	▲ 159929
Particles >6µm	ASTM D7647	>5000	● 48442	▲ 26813	▲ 27793
Particles >71µm	ASTM D7647	>10	▲ 19	0	0
Oil Cleanliness	ISO 4406 (c)	>21/19/16	● 24/23/16	▲ 24/22/15	▲ 24/22/15

Customer Id: HOLCOL
Sample No.: PC0062137
Lab Number: 02589786
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Wes Davis +1 905-569-8600 x223
wesd@wearcheck.ca

To change component or sample information:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.
Resample	---	---	?	Resample in 30-45 days to monitor this situation.
Check Breathers	---	---	?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.
Check Seals	---	---	?	Check seals and/or filters for points of contaminant entry.

HISTORICAL DIAGNOSIS

13 Oct 2022 Diag: Wes Davis

ISO



We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Oil Cleanliness are abnormally high. Particles >4µm are abnormally high. Particles >6µm are abnormally high. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

view report



04 Oct 2022 Diag: Wes Davis

ISO



We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Oil Cleanliness are abnormally high. Particles >4µm are abnormally high. Particles >6µm are abnormally high. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

view report



08 Aug 2022 Diag: Wes Davis

ISO



We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Oil Cleanliness are abnormally high. Particles >4µm are abnormally high. Particles >6µm are abnormally high. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

view report

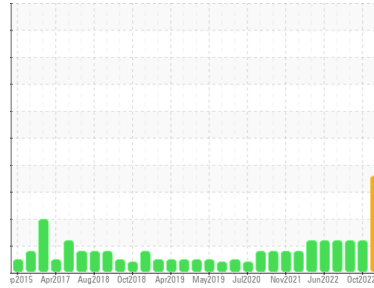




Machine Id
TRAYLOR 54-74 211-GC1

Component
Crusher

Fluid
PETRO CANADA ENDURATEX EP 320 (2200 LTR)



DIAGNOSIS

Recommendation

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0062137	PC0062130	PC0062135
Sample Date	Client Info	13 Oct 2023	13 Oct 2022	04 Oct 2022
Machine Age	hrs	3289	12401	0
Oil Age	hrs	1573	2861	2779
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		SEVERE	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >150	8	12	11
Chromium	ppm	ASTM D5185(m) >10	0	0	0
Nickel	ppm	ASTM D5185(m) >10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	<1	0	0
Aluminum	ppm	ASTM D5185(m) >50	<1	<1	0
Lead	ppm	ASTM D5185(m) >50	4	7	7
Copper	ppm	ASTM D5185(m) >50	19	31	29
Tin	ppm	ASTM D5185(m) >10	1	2	2
Antimony	ppm	ASTM D5185(m) >5	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) 55	38	20	19
Barium	ppm	ASTM D5185(m) 0	<1	0	0
Molybdenum	ppm	ASTM D5185(m) 0	0	0	0
Manganese	ppm	ASTM D5185(m) 0	0	<1	<1
Magnesium	ppm	ASTM D5185(m) 0	0	0	<1
Calcium	ppm	ASTM D5185(m) 0	3	4	3
Phosphorus	ppm	ASTM D5185(m) 240	230	233	227
Zinc	ppm	ASTM D5185(m) 1	3	3	3
Sulfur	ppm	ASTM D5185(m) 13700	4454	5725	5663
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >75	6	7	5
Sodium	ppm	ASTM D5185(m)	<1	<1	<1
Potassium	ppm	ASTM D5185(m) >20	<1	0	0

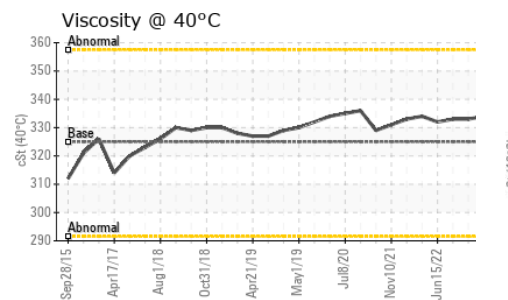
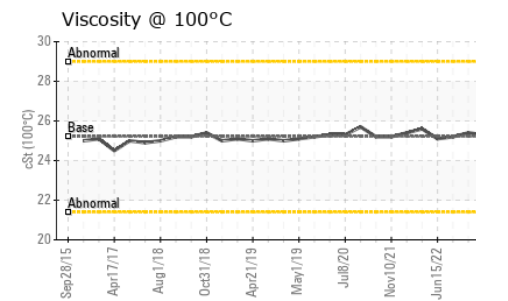
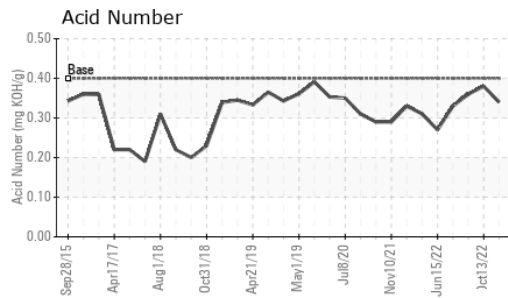
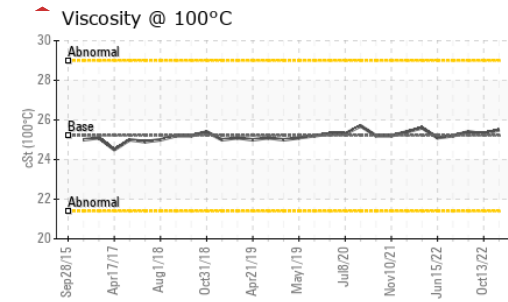
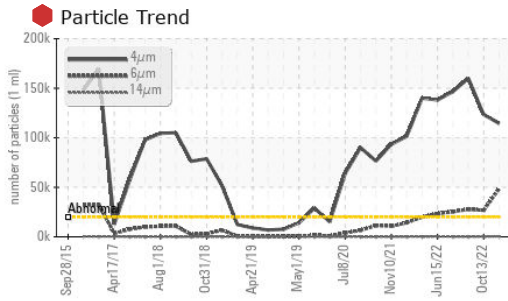
FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>20000	114542	123420	159929
Particles >6µm	ASTM D7647	>5000	48442	26813	27793
Particles >14µm	ASTM D7647	>640	445	207	176
Particles >21µm	ASTM D7647	>160	47	26	16
Particles >38µm	ASTM D7647	>40	21	1	0
Particles >71µm	ASTM D7647	>10	19	0	0
Oil Cleanliness	ISO 4406 (c)	>21/19/16	24/23/16	24/22/15	24/22/15

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974* 0.4	0.34	0.38	0.36

OIL ANALYSIS REPORT

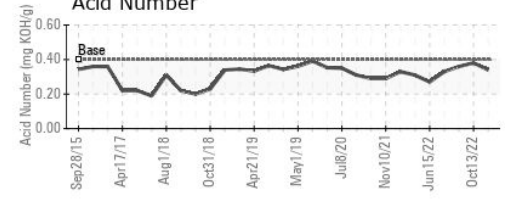
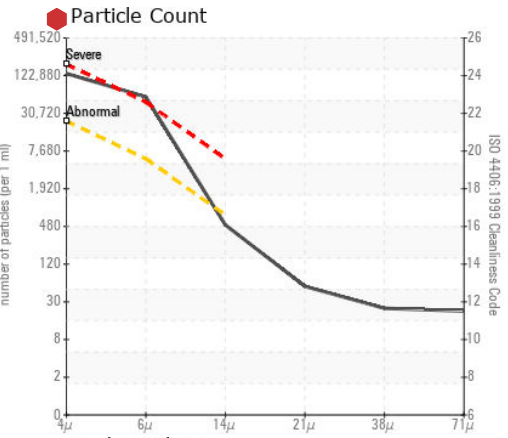
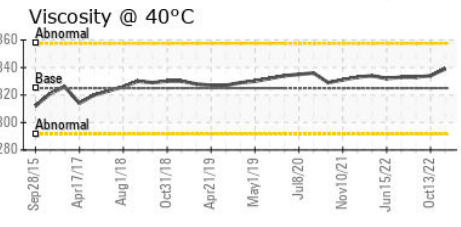
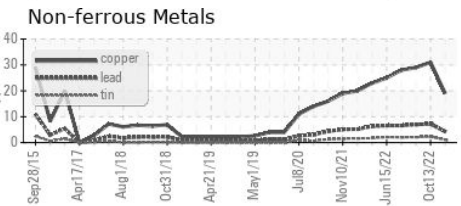
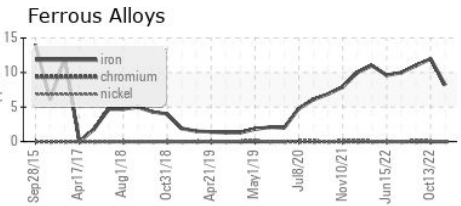


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.4	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	325	339	334
Visc @ 100°C	cSt	ASTM D7279(m)	25.22	25.5	25.3
Viscosity Index (VI)	Scale	ASTM D2270*	100	98	98

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CRH Canada – Ogden Point Quarry**
Sample No. : PC0062137 **Received** : 17 Oct 2023 **PO Box 160, 176 Victoria Beach Road**
Lab Number : 02589786 **Diagnosed** : 18 Oct 2023 **Colborne, ON**
Unique Number : 5658852 **Diagnostician** : Wes Davis **CA K0K 1S0**
Test Package : IND 2 (Additional Tests: KV100, TAN Man, VI) **Contact: Sefton Grell**
To discuss this sample report, contact Customer Service at 1-800-268-2131. **sefton.grell@ca.crh.com**
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. **T: (905)355-2534**
Validity of results and interpretation are based on the sample and information as supplied. **F: (905)355-2667**