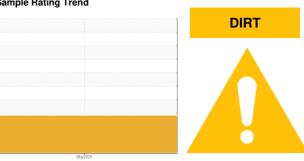


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# RHS CARRIAGE ACTUATOR CYLINDER

Gearbox

PETRO CANADA ENDURATEX EP 220 (3 GAL)

### DIAGNOSIS

#### Recommendation

We advise that you check all areas where dirt can enter the system. We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition.

#### Wear

All component wear rates are normal.

#### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

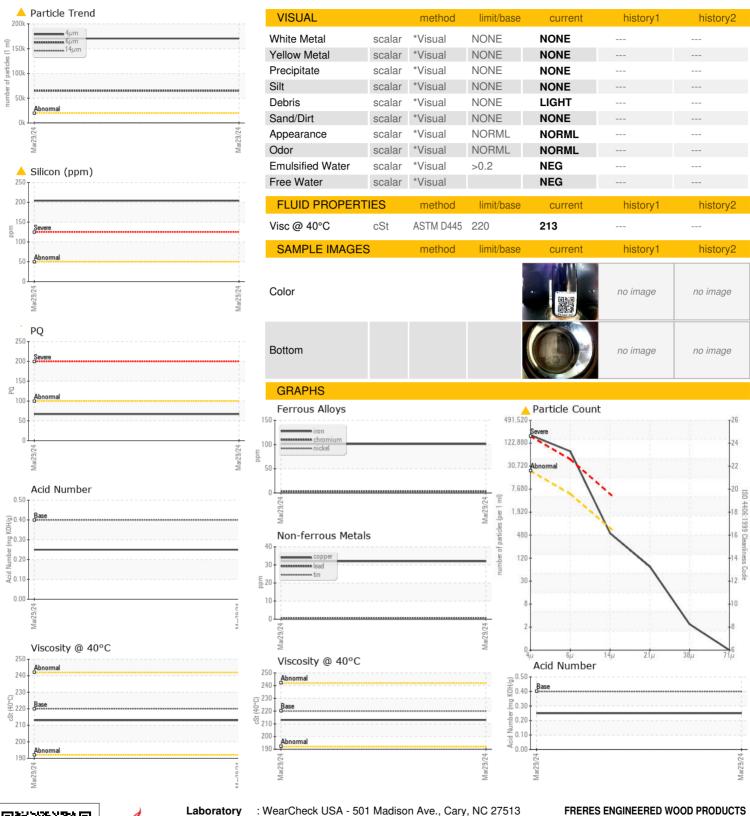
### **Fluid Condition**

The AN level is acceptable for this fluid.

AL)		<u>L</u>		Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PE0001867		
Sample Date		Client Info		29 Mar 2024		
Machine Age	yrs	Client Info		2		
Oil Age	yrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		67		
ron	ppm	ASTM D5185m	>200	101		
Chromium	ppm	ASTM D5185m	>15	3		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
_ead	ppm	ASTM D5185m	>100	<1		
Copper	ppm	ASTM D5185m	>200	32		
- in	ppm	ASTM D5185m	>25	0		
/anadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	60	45		
Barium	ppm	ASTM D5185m	0	0		
Nolybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m	0	3		
/lagnesium	ppm	ASTM D5185m	0	1		
Calcium	ppm	ASTM D5185m	0	6		
Phosphorus	ppm	ASTM D5185m	270	245		
inc .	ppm	ASTM D5185m	0	22		
Sulfur	ppm	ASTM D5185m	11200	7287		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<u>^</u> 204		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	3		
Vater	%	ASTM D6304	>0.2	NEG		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>170529</b>		
Particles >6µm		ASTM D7647	>5000	<b>64982</b>		
Particles >14µm		ASTM D7647	>640	474		
Particles >21µm		ASTM D7647	>160	64		
Particles >38µm		ASTM D7647	>40	2		
Particles >71µm		ASTM D7647	>10	0		
Dil Cleanliness		ISO 4406 (c)	>21/19/16	<u>\$\text{\scale}\$ 25/23/16</u>		
FLUID DEGRADA	MOITA	method	limit/base		historyd	history2
I LOID DEGITADA	TION	method	IIIIII/Dase	current	history1	HISTOLYZ



## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No.

: PE0001867

Lab Number : 06155774 Unique Number: 10991197

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024

**Tested** : 24 Apr 2024 Diagnosed

: 24 Apr 2024 - Jonathan Hester Test Package : PLANT ( Additional Tests: FT-IR, ICP, KF, KV40, PQ, PrtCount, SCREEN )

LYONS, OR US 97358 Contact: GERRITT LAW glaw@frereswood.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: GERRITT LAW - FRELYO

T:

F:

141 14TH ST