

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id COMPONENT 12 TROLLEY

**Gearbox** 

PETRO CANADA ENDURATEX EP 220 (--- GAL)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. 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 no indication of any contamination in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

			Sep2022	Aug2023		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0101536	PCA0077455	
Sample Date		Client Info		28 Aug 2023	22 Sep 2022	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	Not Changd	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		18	7	
Iron	ppm	ASTM D5185m	>200	17	15	
Chromium p	ppm	ASTM D5185m	>15	0	0	
Nickel p	ppm	ASTM D5185m	>15	<1	0	
Titanium p	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum p	ppm	ASTM D5185m	>25	0	<1	
	ppm	ASTM D5185m	>100	<1	0	
Copper p	ppm	ASTM D5185m	>200	3	3	
	ppm	ASTM D5185m	>25	0	0	
Vanadium p	ppm	ASTM D5185m		0	0	
	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron p	ppm	ASTM D5185m	60	2	3	
Barium p	ppm	ASTM D5185m	0	6	0	
Molybdenum	ppm	ASTM D5185m	0	0	<1	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	0	<1	<1	
Calcium p	ppm	ASTM D5185m	0	10	10	
Phosphorus p	ppm	ASTM D5185m	270	271	259	
Zinc p	ppm	ASTM D5185m	0	18	14	
Sulfur ß	ppm	ASTM D5185m	11200	11382	11699	
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon 🛛	ppm	ASTM D5185m	>50	8	7	
Sodium ß	ppm	ASTM D5185m		0	0	
Potassium p	ppm	ASTM D5185m	>20	<1	1	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.40	0.41	0.39	
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
	scalar	*Visual	NONE	NONE	NONE	
	scalar	*Visual	NONE	NONE	NONE	
	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt s	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor s	scalar	*Visual	NORML	NORML	NORML	
	scalar	*Visual	>0.2	NEG	NEG	
Free Water s	scalar	*Visual		NEG	ocationEGBRAD E	LLIS SDITER
						Page 1 of 2



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