

OIL ANALYSIS REPORT

Potassium

Temper Mill [Temper Mill] 210155-ENTRY BRIDLE ROLL 2 Componen

Gearbox Fluic

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

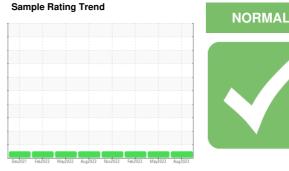
All component wear rates are normal.

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.





SAMPLE INFORMATION method PCA0101484 PCA0095455 PCA0089534 Client Info Sample Number Client Info 01 Aug 2023 23 May 2023 23 Feb 2023 Sample Date 0 0 Machine Age hrs **Client Info** 0 Oil Age hrs Client Info 0 0 0 Oil Changed **Client Info** N/A Not Changd Not Changd NORMAL NORMAL Sample Status NORMAL WEAR METALS PQ **ASTM D8184** 16 9 13 ASTM D5185m >200 6 18 7 Iron ppm 0 Chromium ppm ASTM D5185m >15 0 0 Nickel ASTM D5185m >15 0 <1 0 ppm 0 0 Titanium ppm ASTM D5185m 0 Silver ASTM D5185m 0 <1 0 ppm Aluminum ASTM D5185m >25 <1 <1 <1 ppm 0 0 0 Lead ASTM D5185m >100 ppm Copper ppm ASTM D5185m >200 <1 <1 <1 ASTM D5185m >25 0 0 0 Tin ppm Vanadium ppm ASTM D5185m 0 0 0 Cadmium ASTM D5185m 0 0 0 ppm

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	60	2	0	0
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	<1	7	<1
Calcium	ppm	ASTM D5185m	0	4	8	36
Phosphorus	ppm	ASTM D5185m	270	138	127	116
Zinc	ppm	ASTM D5185m	0	3	1	18
Sulfur	ppm	ASTM D5185m	11200	9602	9631	8989
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	7	8	6
Sodium	ppm	ASTM D5185m		1	4	0

2

2

0

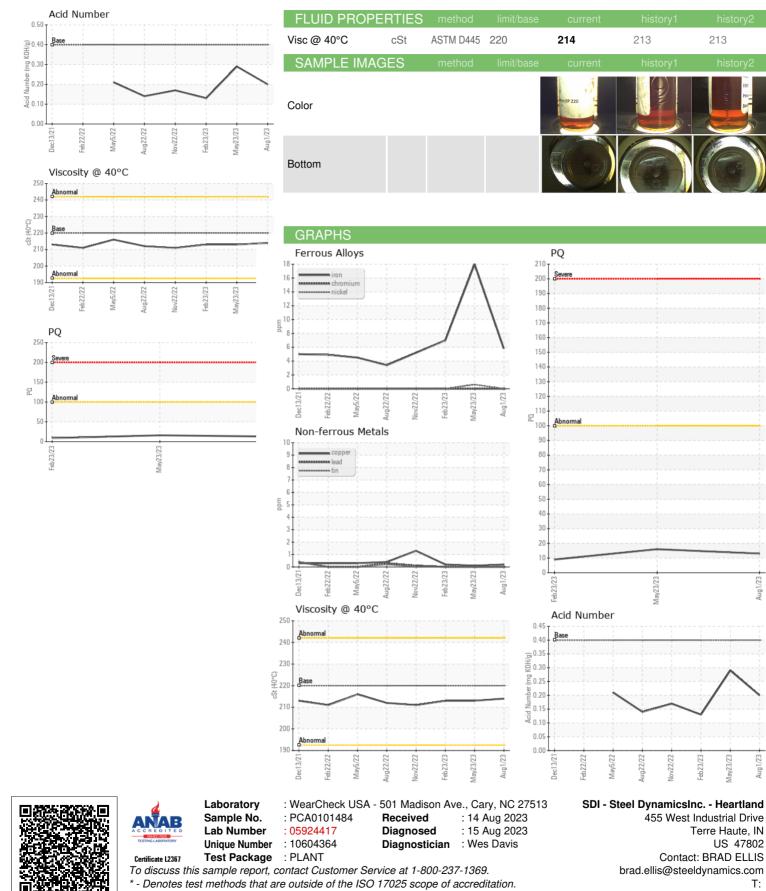
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.40	0.20	0.29	0.13
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	LIGHT	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	ocation BRAD E	LLISIESDITER

ASTM D5185m >20

ppm



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

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