

## **OIL ANALYSIS REPORT**

# Sample Rating Trend

**NORMAL** 



# Machine Id CRANE 7 TROLLEY

Gearbox

PETRO CANADA ENDURATEX EP 220 (---

### 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

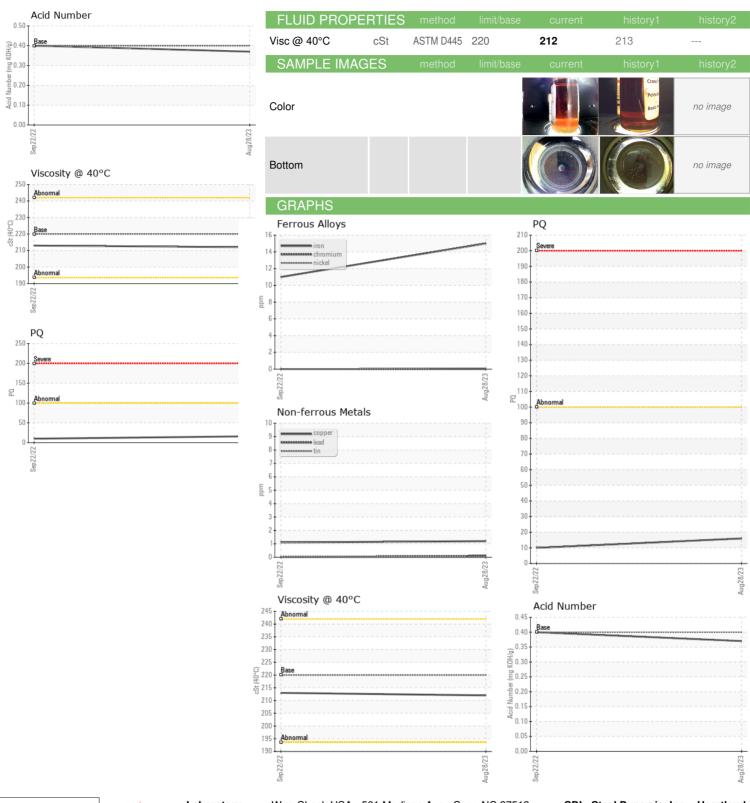
### **Fluid Condition**

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

GAL)			Sep.2022	Aug2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0101553	PCA0080273	
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 METAL	S	method	limit/base	current	history1	history2
PQ		ASTM D8184		16	10	
Iron	ppm	ASTM D5185m	>200	15	11	
Chromium	ppm	ASTM D5185m	>15	0	0	
Nickel	ppm	ASTM D5185m		<1	0	
Titanium	ppm	ASTM D5185m	710	0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm		>25	0	0	
Lead	ppm	ASTM D5185m	>100	<1	0	
Copper	ppm	ASTM D5185m	>200	1	1	
Tin		ASTM D5185m	>25	0	0	
Vanadium	ppm	ASTM D5185m	>20	0	0	
	ppm			0		
Cadmium	ppm	ASTM D5185m		U	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	60	<1	<1	
Barium	ppm	ASTM D5185m	0	9	6	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	0	1	0	
Calcium	ppm	ASTM D5185m	0	13	9	
Phosphorus	ppm	ASTM D5185m	270	213	198	
Zinc	ppm	ASTM D5185m	0	22	18	
Sulfur	ppm	ASTM D5185m	11200	13559	13466	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	24	17	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	<1	0	
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.40	0.37	0.40	
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	VLITE	
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	>0.2	NEG	NEG	
1 Free Water	scalar	*Visual		NEG		ELLIS - SDITER
	Julia	1.000				



### **OIL ANALYSIS REPORT**





Certificate L2367

Laboratory Sample No. Lab Number

**Unique Number** 

: 05937392 : 10622663 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0101553 Received : 29 Aug 2023

: 30 Aug 2023 Diagnosed Diagnostician : Wes Davis

SDI - Steel DynamicsInc. - Heartland 455 West Industrial Drive

Terre Haute, IN US 47802

Contact: BRAD ELLIS

brad.ellis@steeldynamics.com T:

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)

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