

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id CRANE 15

Component Auxiliary Hoist

PETRO CANADA ENDURATEX EP 220 (---

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Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

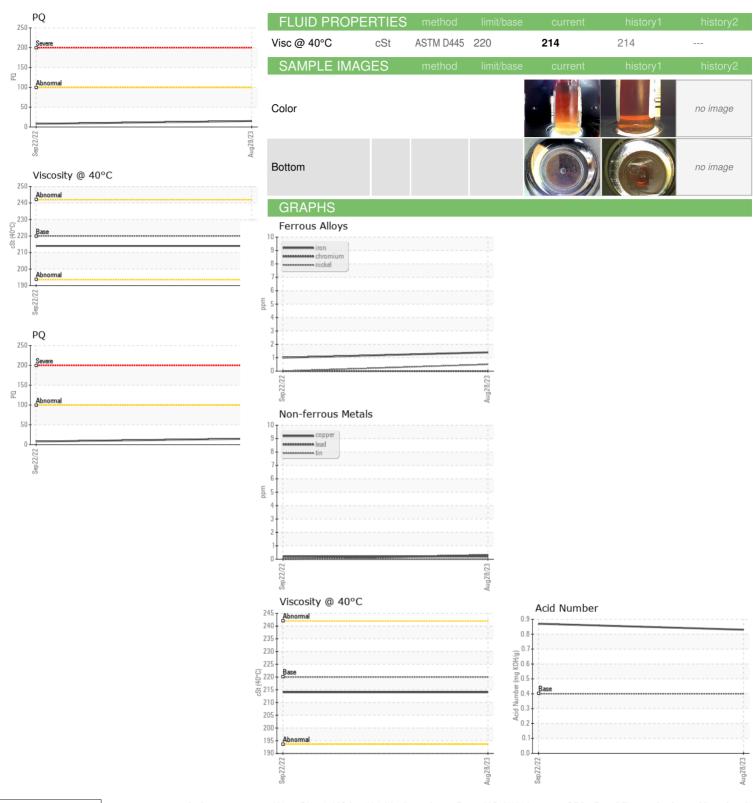
Fluid Condition

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

241)							
GAL)			Sep 2022	Aug2023			
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		PCA0101512	PCA0079670		
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		15	8		
ron	ppm	ASTM D5185m	>20	1	1		
Chromium	ppm	ASTM D5185m	>20	0	0		
Nickel	ppm		>20	<1	0		
Titanium	ppm	ASTM D5185m	720	0	0		
Silver	ppm	ASTM D5185m		0	0		
Aluminum	ppm	ASTM D5185m	>20	0	0		
Lead	ppm		>20	<1	0		
Copper	ppm	ASTM D5185m	>20	<1	<1		
Tin	ppm	ASTM D5185m		0	0		
Vanadium		ASTM D5185m	720	0	0		
Variaulum Cadmium	ppm	ASTM D5185m		0	0		
	ppm			-			
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	60	0	1		
Barium	ppm	ASTM D5185m	0	52	32		
Molybdenum	ppm	ASTM D5185m	0	0	<1		
Manganese	ppm	ASTM D5185m		0	0		
Magnesium	ppm	ASTM D5185m	0	1	1		
Calcium	ppm	ASTM D5185m	0	12	11		
Phosphorus	ppm	ASTM D5185m	270	194	187		
Zinc	ppm	ASTM D5185m	0	5	<1		
Sulfur	ppm	ASTM D5185m	11200	14456	14766		
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>15	19	16		
Sodium	ppm	ASTM D5185m		0	0		
Potassium	ppm	ASTM D5185m	>20	1	2		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.40	0.83	0.87		
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				NEG	NEG		
	scalar	*Visual	>0.05		ocation GBRAD I	IIIG CDITE	
Free Water	scalar	*Visual		NEG	UCALINE CONAD I		



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Certificate L2367

Laboratory Sample No. Lab Number

: PCA0101512 : 05937356 Unique Number : 10622627 Test Package : PLANT

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Aug 2023 : 30 Aug 2023 Diagnosed Diagnostician : Don Baldridge

SDI - Steel DynamicsInc. - Heartland 455 West Industrial Drive Terre Haute, IN

US 47802 Contact: BRAD ELLIS

brad.ellis@steeldynamics.com T:

* - 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: BRAD ELLIS - SDITER

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