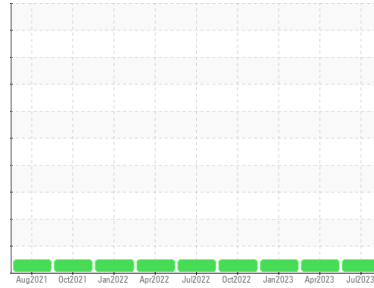


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**Galv Line**  
 Machine Id  
**[Galv Line] 615045-#1 PAYOFF REEL**  
 Component  
**Gearbox**  
 Fluid  
**PETRO CANADA ENDURATEX EP 460 (--- 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	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0101574</b>	PCA0089428	PCA0081793
Sample Date	Client Info	<b>01 Jul 2023</b>	23 Apr 2023	01 Jan 2023
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>N/A</b>	Not Changd	Not Changd
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	<b>13</b>	---	11
Iron	ppm	ASTM D5185m >200	<b>4</b>	4
Chromium	ppm	ASTM D5185m >15	<b>0</b>	0
Nickel	ppm	ASTM D5185m >15	<b>&lt;1</b>	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0
Silver	ppm	ASTM D5185m	<b>0</b>	0
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	0
Lead	ppm	ASTM D5185m >100	<b>&lt;1</b>	<1
Copper	ppm	ASTM D5185m >200	<b>&lt;1</b>	0
Tin	ppm	ASTM D5185m >25	<b>0</b>	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 55	<b>42</b>	46
Barium	ppm	ASTM D5185m 0	<b>0</b>	0
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0
Manganese	ppm	ASTM D5185m 0	<b>0</b>	0
Magnesium	ppm	ASTM D5185m 2	<b>&lt;1</b>	<1
Calcium	ppm	ASTM D5185m 6	<b>1</b>	2
Phosphorus	ppm	ASTM D5185m 240	<b>244</b>	263
Zinc	ppm	ASTM D5185m 3	<b>2</b>	4
Sulfur	ppm	ASTM D5185m 10310	<b>7434</b>	7390

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>0</b>	<1
Sodium	ppm	ASTM D5185m	<b>0</b>	0
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1

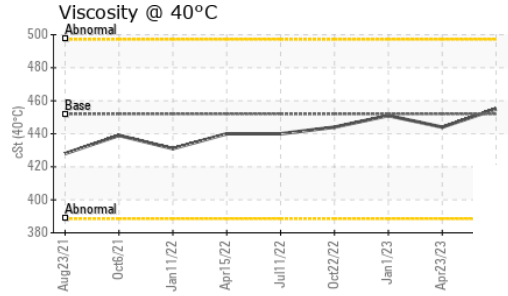
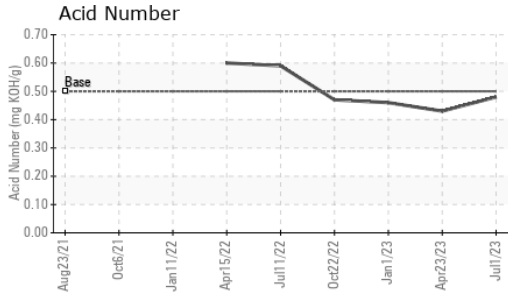
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.5	<b>0.48</b>	0.43

## VISUAL

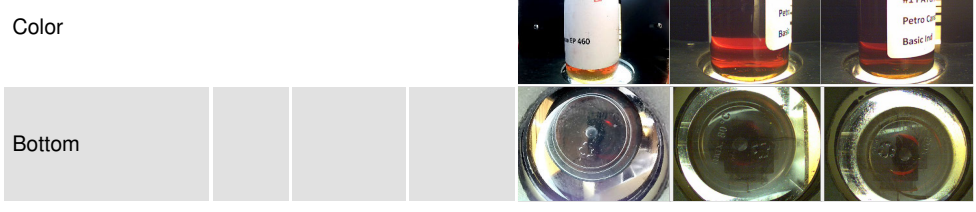
method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML
Emulsified Water	scalar	*Visual >0.2	<b>NEG</b>	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG

# OIL ANALYSIS REPORT

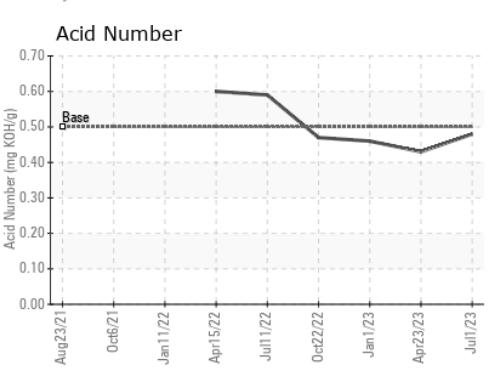
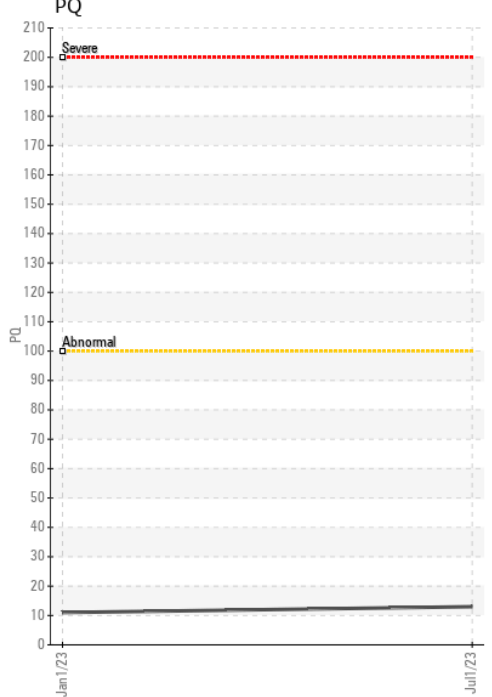
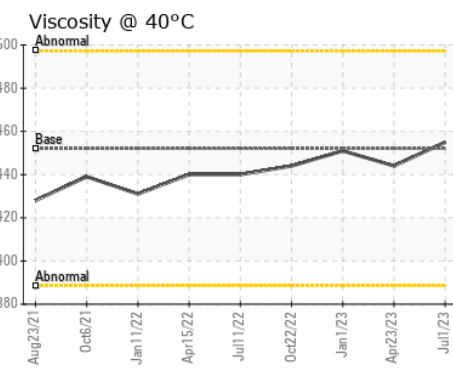
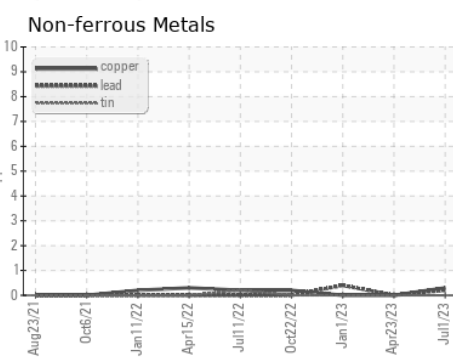
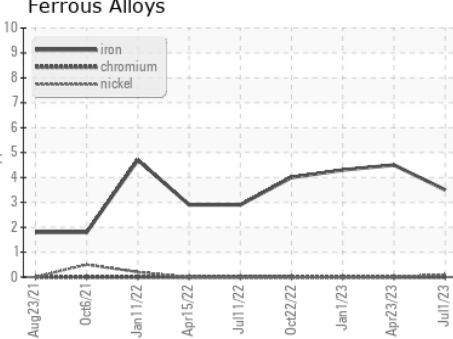


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	452	<b>455</b>	444	451

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0101574  
**Lab Number** : **05929806**  
**Unique Number** : 10615077  
**Test Package** : PLANT  
**Received** : 21 Aug 2023  
**Diagnosed** : 22 Aug 2023  
**Diagnostician** : Wes Davis

**SDI - Steel Dynamics Inc. - Heartland**  
 455 West Industrial Drive  
 Terre Haute, IN  
 US 47802  
 Contact: BRAD ELLIS  
 brad.ellis@steeldynamics.com  
 T:  
 F:

Certificate L2367  
 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)