

## **OIL ANALYSIS REPORT**

Oil Age

Iron

Nickel

Silver

Lead

Tin

Boron

Zinc

Sulfur

Silicon

Sodium

Water

Barium

Copper

### Area **Pickle Line** [Pickle Line] 520030-A - ENTRY CAR 1

**Hydraulic System** 

PETRO CANADA HYDREX AW 46 (--- GAL)

#### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is a high amount of particulates present in the oil.

#### Fluid Condition

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



Acid Number (AN)

FLUID DEGRADATION

ISO 4406 (c)

method

mg KOH/g ASTM D8045

>19/17/14

0.70

limit/base

20/19/15

0.26

current

**Oil Cleanliness** 

0.25

22/20/14

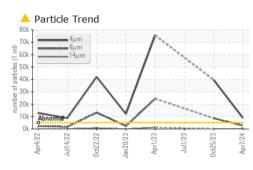
history1

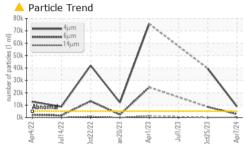
history2

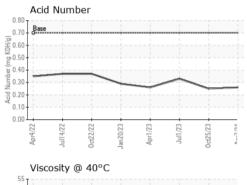
0.33

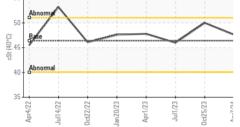


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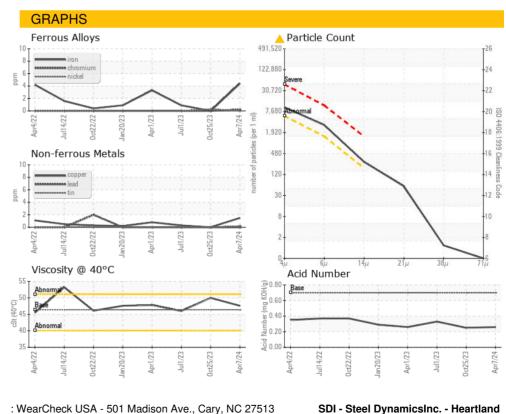








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	A MODER
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.4	47.6	50.0	46.0
SAMPLE IMAG	ES	method	limit/base	current	history1	history2
Color						Part
Bottom						



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 SDI - Steel DynamicsInc. - Heartland Sample No. : PCA0117555 Received : 08 Apr 2024 455 West Industrial Drive Lab Number : 06142209 Tested : 11 Apr 2024 Terre Haute, IN Unique Number : 10967017 Diagnosed : 11 Apr 2024 - Don Baldridge US 47802 Test Package : PLANT Contact: BRAD ELLIS Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. brad.ellis@steeldynamics.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: SDITER [WUSCAR] 06142209 (Generated: 04/12/2024 06:59:23) Rev: 1

Contact/Location: BRAD ELLIS - SDITER

Page 2 of 2