

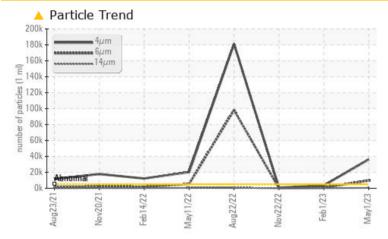
PROBLEM SUMMARY

Pickle Line Machine Id [Pickle Line] 585130-STEERING UNITS 4- 4A- 5- 6 Component

Hydraulic System

PETRO CANADA HYDREX AW 46 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS									
Sample Status		ABNORMAL	NORMAL	NORMAL					
Particles >4µm	ASTM D7647 >5000	🔺 36188	3481	832					
Particles >6µm	ASTM D7647 >1300	A 9744	930	113					
Particles >14µm	ASTM D7647 >160	<u> </u>	27	7					
Particles >21µm	ASTM D7647 >40	<u> </u>	2	2					
Oil Cleanliness	ISO 4406 (c) >19/17	/14 🔺 22/20/16	19/17/12	17/14/10					

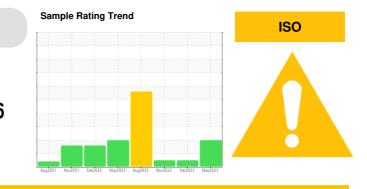
Customer Id: SDITER Sample No.: PCA0095470 Lab Number: 05894363 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



RECOMMENDED	RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description		
Change Filter			?	We recommend you service the filters on this component.		

HISTORICAL DIAGNOSIS

NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

22 Nov 2022 Diag: Don Baldridge

01 Feb 2023 Diag: Doug Bogart

NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

22 Aug 2022 Diag: Don Baldridge

We recommend you service the filters on this component. Resample at the next service interval to monitor. The iron level is abnormal. There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal. Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.







OIL ANALYSIS REPORT

Pickle Line Machine Id [Pickle Line] 585130-STEERING UNITS 4- 4A- 5- 6 Component

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

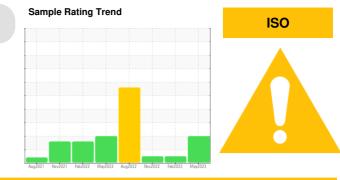
All component wear rates are normal.

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.



SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0095470	PCA0089505	PCA0081740
Sample Date		Client Info		01 May 2023	01 Feb 2023	22 Nov 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METAL	.S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>20	2	0	<1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	4	0	7
Tin	ppm	ASTM D5185m	>20	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	2	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m	0	0	0	0
Magnesium	ppm	ASTM D5185m	0	6	2	3
Calcium	ppm	ASTM D5185m	50	46	60	49
Phosphorus	ppm	ASTM D5185m	330	296	329	323
Zinc	ppm	ASTM D5185m	430	364	432	401
Sulfur	ppm	ASTM D5185m	760 1732		870	1169
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>15	0	<1	<1
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	0	<1	0
FLUID CLEAN	LINESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647	>5000	<u> </u>	3481	832
Particles >6µm		ASTM D7647	>1300	<u> </u>	930	113
Particles >14µm		ASTM D7647	>160	487	27	7
Particles >21µm		ASTM D7647	>40	<mark>/</mark> 84	2	2
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 22/20/16	19/17/12	17/14/10
FLUID DEGRA		method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.70	0.23	0.43	0.35

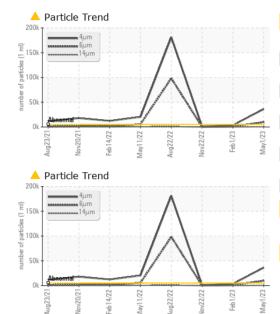


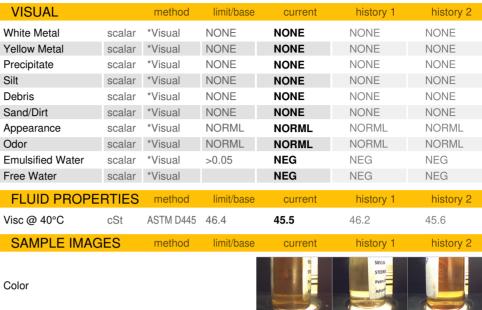
Acid Number

0.80

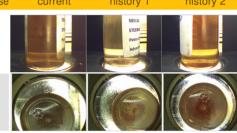
Bas 0.70 (B/H0.60

OIL ANALYSIS REPORT

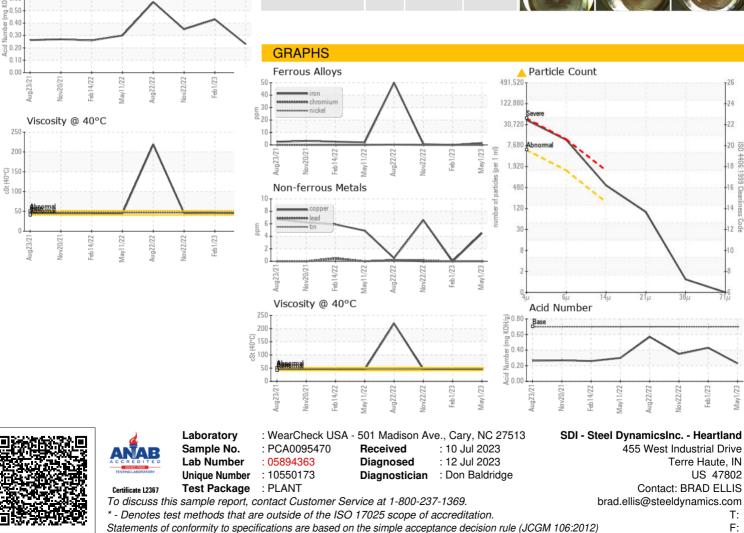








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Contact/Location: BRAD ELLIS - SDITER