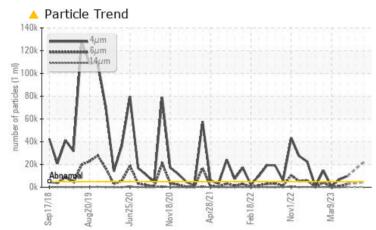
PROBLEM SUMMARY

BIAGNOSTICS

Area TEAM 15 Machine Id 156319

Component Hydraulic System Fluid PETRO CANADA HYDREX AW 46 (110 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for visible metal particles in the oil. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

PROBLEMATIO	C TEST	RESULT	S			
Sample Status				ABNORMAL	NORMAL	ABNORMAL
Particles >4µm		ASTM D7647	>5000	<u> </u>		4 9931
Particles >6µm		ASTM D7647	>1300	4575		A 2835
Particles >14µm		ASTM D7647	>160	<u> </u>		1 96
Particles >21µm		ASTM D7647	>40	<u> </u>		48
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>		<u> </u>
White Metal	scalar	Visual*	NONE		NONE	NONE
PrtFilter					no image	no image

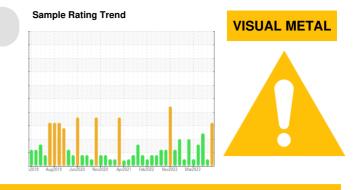
Customer Id: CANDRY Sample No.: PC0070440 Lab Number: 02574034 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 <u>gloria.gonzalez@wearcheck.com</u>



RECOMMENDE	RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description			
Change Filter			?	We recommend you service the filters on this component.			
Resample			?	We recommend an early resample to monitor this condition.			
Check For Visual Metal			?	We advise that you check for visible metal particles in the oil.			

HISTORICAL DIAGNOSIS



20 Jun 2023 Diag: Wes Davis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.





We recommend you service the filters on this component. We recommend an early resample to monitor this condition.Copper ppm levels are abnormal. Oil cooler core leaching or motor piston wear is indicated. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

29 Mar 2023 Diag: Kevin Marson



We recommend you service the filters on this component. We recommend an early resample to monitor this condition.Copper ppm levels are abnormal. A sharp increase in the copper level is noted. Oil cooler core leaching or motor piston wear is indicated. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





view report



OIL ANALYSIS REPORT

TEAM 15 156319 Component

Hydraulic System

PETRO CANADA HYDREX AW 46 (110 GAL)

DIAGNOSIS

Recommendation

We advise that you check for visible metal particles in the oil. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

A Wear

Light concentration of visible metal present.

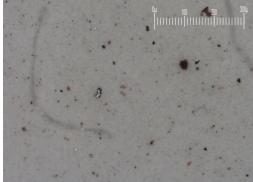
Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.





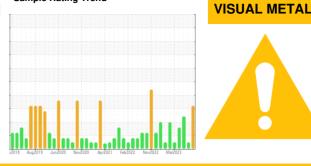
Acid Number (AN) Report Id: CANDRY [WCAMIS] 02574034 (Generated: 08/04/2023 09:06:00) Rev: 1

mg KOH/g ASTM D974* 0.70

0.52

Contact/Location: Yvon St. Laurent - CANDRY

0.35

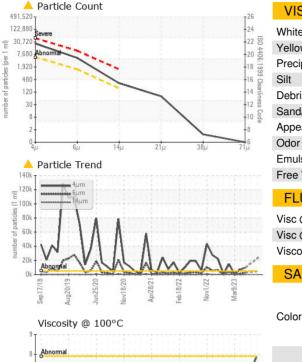


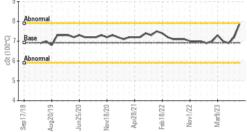
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0070440	PC0074858	PC0070218
Sample Date		Client Info		19 Jul 2023	20 Jun 2023	25 Apr 2023
Machine Age	days	Client Info		0	0	0
-	days	Client Info		0	0	0
Oil Changed	-	Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron p	opm	ASTM D5185(m)	>20	<1	<1	2
	opm	ASTM D5185(m)	>20	0	0	<1
	opm	ASTM D5185(m)	>20	<1	0	0
	opm	ASTM D5185(m)		0	0	0
	opm	ASTM D5185(m)		0	0	0
	opm	ASTM D5185(m)	>20	0	0	0
1	opm	ASTM D5185(m)	>20	<1	<1	<1
1	opm	ASTM D5185(m)		1	4	▲ 29
	opm	ASTM D5185(m)	>20	0	0	0
1	opm	ASTM D5185(m)		0	0	0
	opm	ASTM D5185(m)		0	0	0
	opm	ASTM D5185(m)		0	0	0
	opm	ASTM D5185(m) ASTM D5185(m)		ں <1	0	<1
ADDITIVES	'	method	limit/base	current	history1	history2
_	opm	ASTM D5185(m)	0	0	0	0
1	opm	ASTM D5185(m)		0	0	0
		ASTM D5185(m)	0	0	0	0
	opm	ASTM D5185(m)		0	0	0
	opm					
•	opm	ASTM D5185(m)	0	<1	<1	0
	opm	ASTM D5185(m)	50	54	50	3
	opm	ASTM D5185(m)	330	470	363	343
	opm	ASTM D5185(m)	430	566	437	303
	opm	ASTM D5185(m)	760	979	752	709
	opm	ASTM D5185(m)		<1	<1	<1
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon F	opm	ASTM D5185(m)	>15	<1	0	0
Sodium p	opm	ASTM D5185(m)		3	<1	14
Potassium p	opm	ASTM D5185(m)	>20	0	0	<1
FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	A 22075		9 931
Particles >6µm		ASTM D7647	>1300	<u> </u>		A 2835
Particles >14µm		ASTM D7647	>160	<u> </u>		🔺 196
Particles >21µm		ASTM D7647	>40	<u> </u>		48
Particles >38µm		ASTM D7647	>10	1		2
Particles >71µm		ASTM D7647	>3	0		0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 22/19/15		▲ 20/19/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

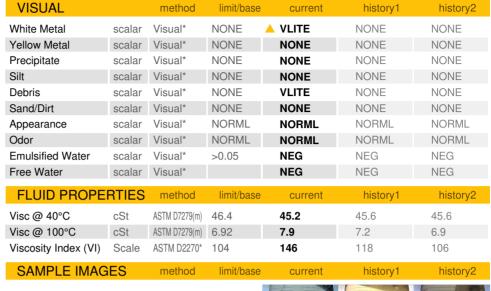
Sample Rating Trend



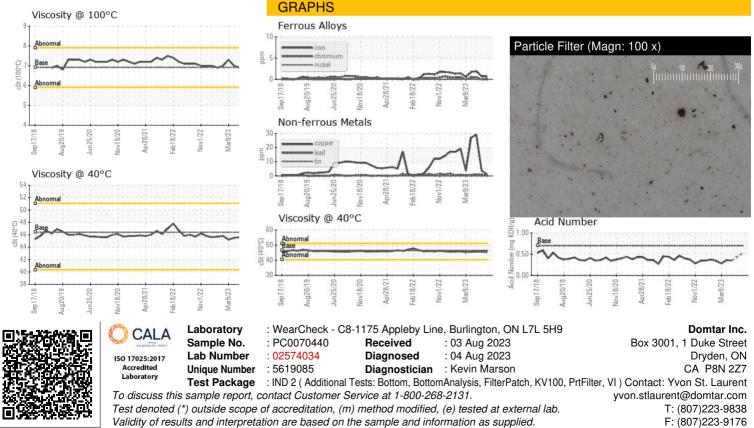
OIL ANALYSIS REPORT











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PrtFilter