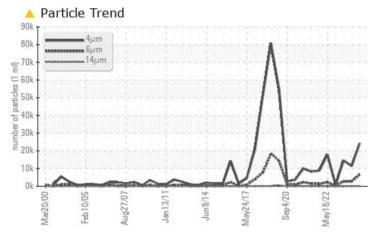




Area TEAM 3 Machine Id 172399

Component Hydraulic System Fluid PETRO CANADA HYDREX AW 46 (45 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL				
Particles >6µm	ASTM D7647	>1300	🔺 6657	A 2727	A 2626				
Oil Cleanliness	ISO 4406 (c)	>/17/14	A 22/20/14	🔺 21/19/13	🔺 21/19/12				

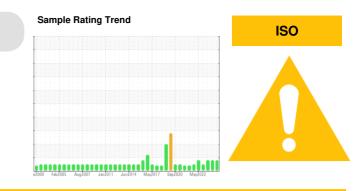
Customer Id: CANDRY Sample No.: PC0077079 Lab Number: 02595013 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

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



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.			

HISTORICAL DIAGNOSIS



25 Apr 2023 Diag: Kevin Marson

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



15 Nov 2022 Diag: Wes Davis



We recommend you service the filters on this component. We recommend an early resample to monitor this condition All component wear rates are normal. Oil Cleanliness are abnormally high. Particles >6µm are abnormally high. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

03 Oct 2022 Diag: Kevin Marson





Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report







OIL ANALYSIS REPORT



Hydraulic System

PETRO CANADA HYDREX AW 46 (45 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Wear

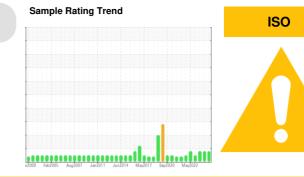
All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

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.



SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0077079	PC0070216	PC0061538
Sample Date		Client Info		26 Oct 2023	25 Apr 2023	15 Nov 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<1	<1	<1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)	>20	0	<1	0
Lead	ppm	ASTM D5185(m)	>20	<1	<1	0
Copper	ppm	ASTM D5185(m)		2	<1	0
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Antimony	ppm	ASTM D5185(m)	-	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<1	<1	<1
Barium	ppm	ASTM D5185(m)	0	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	0	7	7	8
Calcium	ppm	ASTM D5185(m)	50	53	53	55
Phosphorus	ppm	ASTM D5185(m)	330	329	357	359
Zinc	ppm	ASTM D5185(m)	430	423	411	414
Sulfur	ppm	ASTM D5185(m)	760	778	791	766
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	0	0	<1
Sodium	ppm	ASTM D5185(m)	210	۰ <1	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	0	0	0
FLUID CLEANL		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		24264	11451	14520
Particles >6µm		ASTM D7647	>1300	<u> </u>	▲ 2727	▲ 2626
Particles >14µm		ASTM D7647	>160	128	60	40
Particles >21µm		ASTM D7647		19	9	4
Particles >38µm		ASTM D7647	>10	1	1	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/14	▲ 22/20/14	▲ 21/19/13	▲ 21/19/12
FLUID DEGRAD		method	limit/base	current	history1	history2
	ma KOU/a			0.42	0.44	0.45

Acid Number (AN) Report Id: CANDRY [WCAMIS] 02595013 (Generated: 11/09/2023 08:30:53) Rev: 1

mg KOH/g ASTM D974* 0.70

0.42 0.44 0.45 Contact/Location: Adebukola Adekanye - CANDRY



OIL ANALYSIS REPORT

Color

Bottom

