

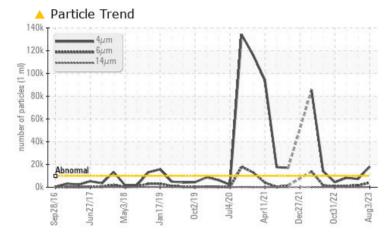
# **PROBLEM SUMMARY**

#### Area **PROCESSING** Machine Id **B61341 - HITCH BONE BREAKER HYD UNIT (S/N 116101)** Component

Hydraulic System

PETRO CANADA PURITY FG AW HYDRAULIC 46 (--- GAL)

# COMPONENT CONDITION SUMMARY



#### RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

#### **PROBLEMATIC TEST RESULTS** Sample Status NORMAL ABNORMAL **ATTENTION** Particles >4µm ASTM D7647 >10000 🔺 18146 7296 8283 Particles >6µm ASTM D7647 >1300 **4040** 1559 1224 Particles >14µm ASTM D7647 >160 234 90 27 **Oil Cleanliness** ISO 4406 (c) >20/17/14 A 21/19/15 20/18/14 20/17/12

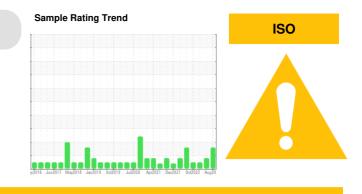
Customer Id: HORFREWC Sample No.: WC0826140 Lab Number: 05936115 Test Package: IND 2



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: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



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.				
Information Required			?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.				

### **HISTORICAL DIAGNOSIS**



12 May 2023 Diag: Angela Borella

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. 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 condition of the oil is suitable for further service.



view report

## 01 Feb 2023 Diag: Don Baldridge

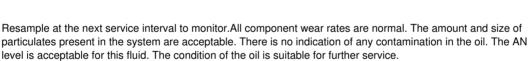
Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further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

#### 31 Oct 2022 Diag: Don Baldridge



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of







# **OIL ANALYSIS REPORT**

#### Area **PROCESSING** Machine Id **B61341 - HITCH BONE BREAKER HYD UNIT (S/N 116101)** Component

Hydraulic System

# PETRO CANADA PURITY FG AW HYDRAULIC 46 (--- GAL)

# DIAGNOSIS

### Recommendation

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

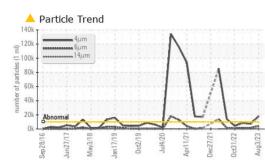
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

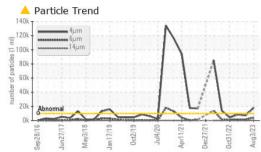


SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		WC0826140	WC0732414	WC0775012
Sample Date		Client Info		03 Aug 2023	12 May 2023	01 Feb 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	1	<1
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m	>20	<1	0	0
Titanium	ppm	ASTM D5185m	220	0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m		۰ <1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m	~	0	0	0
Cadmium		ASTM D5185m		0	0	0
	ppm			-	-	-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		460	386	349
Zinc	ppm	ASTM D5185m		2	0	0
Sulfur	ppm	ASTM D5185m		660	537	288
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	3	3
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	1	0	0
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>18146</b>	7296	8283
Particles >6µm		ASTM D7647	>1300	<b>4040</b>	<u> </u>	1224
Particles >14µm		ASTM D7647	>160	<u> </u>	90	27
Particles >21µm		ASTM D7647	>40	53	18	5
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/14	<u> </u>	▲ 20/18/14	20/17/12
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	ma KOH/a	ASTM D8045	0.26	0.19	0.21	0.20
		20010				

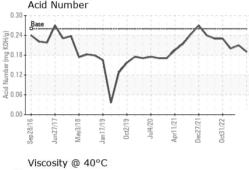


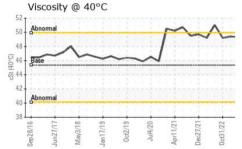
# **OIL ANALYSIS REPORT**

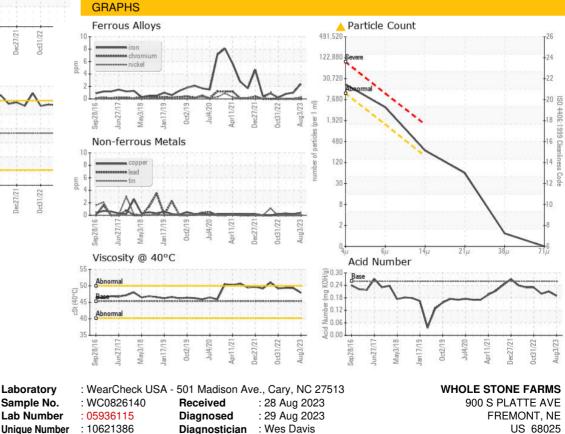














Test Package : IND 2 Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: HORFREWC [WUSCAR] 05936115 (Generated: 08/29/2023 08:45:09) Rev: 1

Laboratory

Sample No.

Lab Number

Contact/Location: JERRY SORRICK - HORFREWC

F: x:

T: (402)753-3434

Contact: JERRY SORRICK

jasorrick@wholestonefarms.com