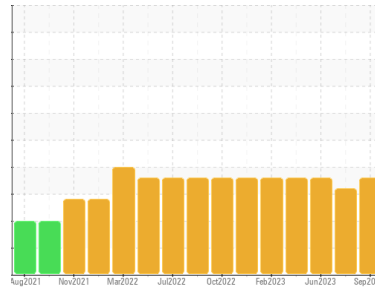




PROBLEM SUMMARY

Sample Rating Trend



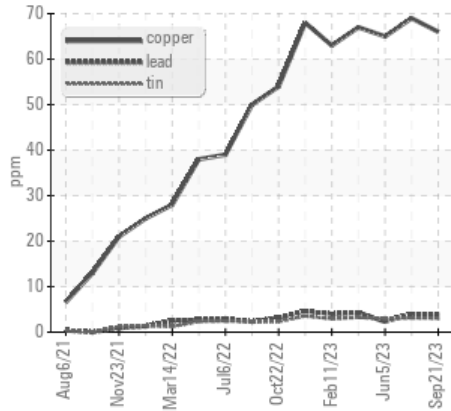
DIRT



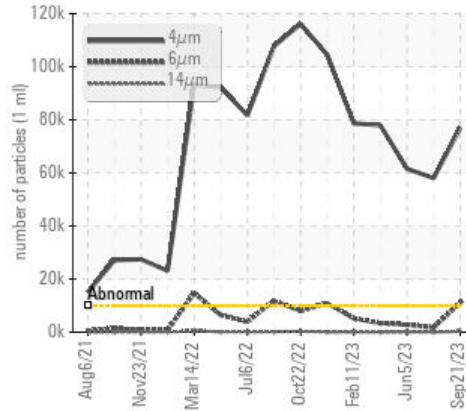
Area
MP-130A [10023545253]
 Machine Id
B69314 - PRE SIZER PS600 PROVISUR FGP FTP (S/N 21-122)
 Component
Hydraulic System
 Fluid
PETRO CANADA PURITY FG AW HYDRAULIC 46 (540 LTR)

COMPONENT CONDITION SUMMARY

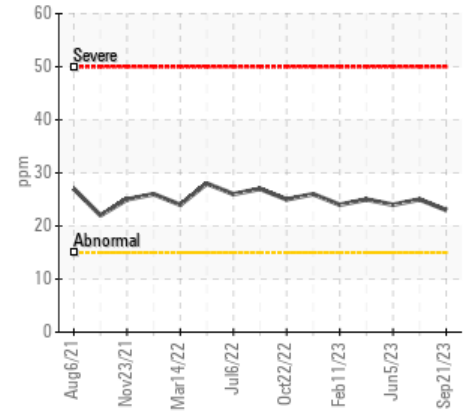
▲ Non-ferrous Metals



▲ Particle Trend



▲ Silicon (ppm)



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Copper	ppm	ASTM D5185m	>20	▲ 66	▲ 69	▲ 65
Silicon	ppm	ASTM D5185m	>15	▲ 23	▲ 25	▲ 24
Particles >4µm		ASTM D7647	>10000	▲ 76959	▲ 58005	▲ 61572
Particles >6µm		ASTM D7647	>2500	▲ 11139	1689	▲ 2799
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 23/21/15	▲ 23/18/11	▲ 23/19/13

Customer Id: HORAUS
 Sample No.: WC0842542
 Lab Number: 05961210
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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 if applicable.

HISTORICAL DIAGNOSIS

03 Aug 2023 Diag: Don Baldrige

DIRT



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



05 Jun 2023 Diag: Don Baldrige

DIRT



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



05 Apr 2023 Diag: Angela Borella

DIRT



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

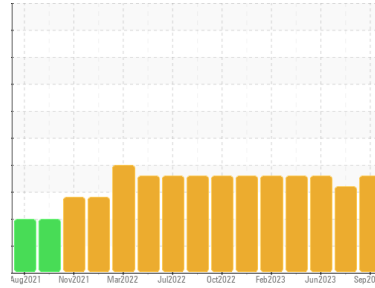
view report





OIL ANALYSIS REPORT

Sample Rating Trend



Area
MP-130A [10023545253]
 Machine Id
B69314 - PRE SIZER PS600 PROVISUR FGP FTP (S/N 21-122)
 Component
Hydraulic System
 Fluid
PETRO CANADA PURITY FG AW HYDRAULIC 46 (540 LTR)

DIAGNOSIS

Recommendation

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

Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0842542	WC0826090	WC0808474
Sample Date	Client Info		21 Sep 2023	03 Aug 2023	05 Jun 2023
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Not Chngd	N/A	N/A
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	2	2	2
Chromium	ppm	ASTM D5185m >20	0	0	0
Nickel	ppm	ASTM D5185m >20	0	0	0
Titanium	ppm	ASTM D5185m	0	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >20	0	<1	0
Lead	ppm	ASTM D5185m >20	4	4	2
Copper	ppm	ASTM D5185m >20	▲ 66	▲ 69	▲ 65
Tin	ppm	ASTM D5185m >20	3	3	3
Vanadium	ppm	ASTM D5185m	<1	<1	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	1	0
Calcium	ppm	ASTM D5185m	30	32	36
Phosphorus	ppm	ASTM D5185m	210	187	215
Zinc	ppm	ASTM D5185m	175	195	205
Sulfur	ppm	ASTM D5185m	3392	3650	3807

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	▲ 23	▲ 25	▲ 24
Sodium	ppm	ASTM D5185m	<1	1	<1
Potassium	ppm	ASTM D5185m >20	<1	<1	1

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	▲ 76959	▲ 58005	▲ 61572
Particles >6µm	ASTM D7647	>2500	▲ 11139	1689	▲ 2799
Particles >14µm	ASTM D7647	>320	316	20	68
Particles >21µm	ASTM D7647	>80	38	3	15
Particles >38µm	ASTM D7647	>20	0	0	1
Particles >71µm	ASTM D7647	>4	0	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 23/21/15	▲ 23/18/11	▲ 23/19/13

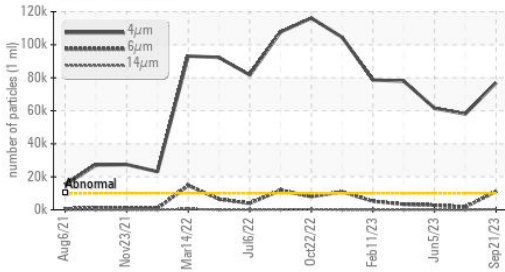
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.26	0.32	0.36	0.31

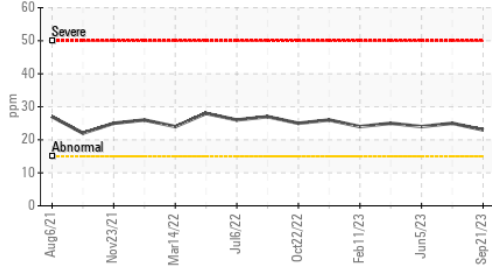


OIL ANALYSIS REPORT

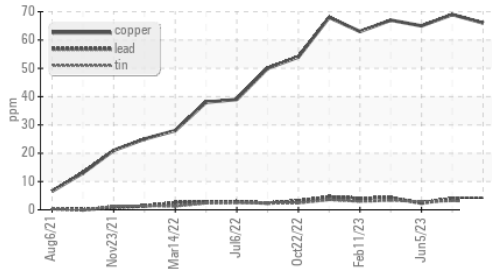
▲ Particle Trend



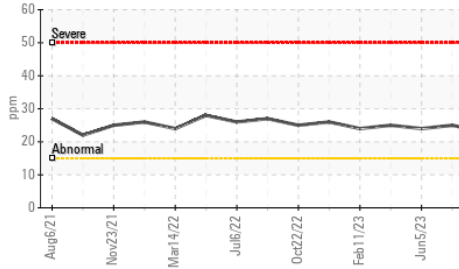
▲ Silicon (ppm)



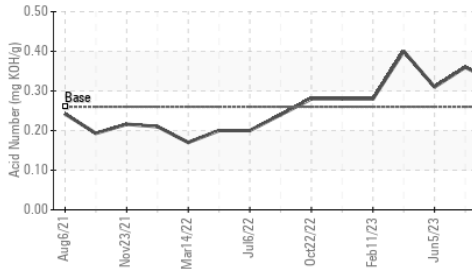
▲ Non-ferrous Metals



▲ Silicon (ppm)



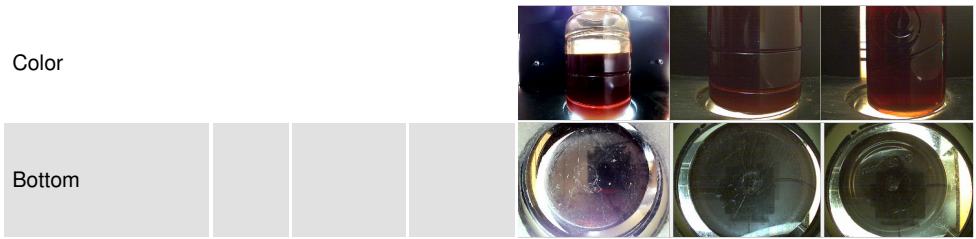
Acid Number



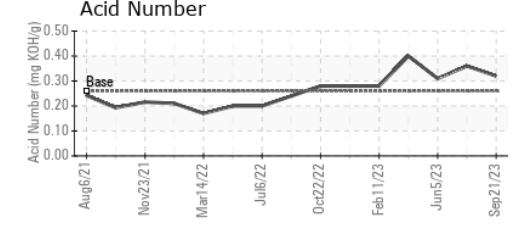
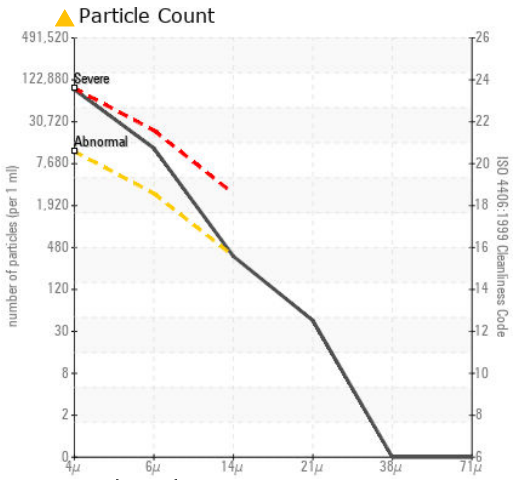
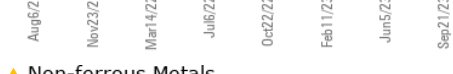
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45.36	43.3	43.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0842542 **Received** : 26 Sep 2023
Lab Number : 05961210 **Diagnosed** : 27 Sep 2023
Unique Number : 10662423 **Diagnostician** : Don Baldrige
Test Package : IND 2

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 AUSTIN, MN
 US 55912
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 rslowe@hormel.com
 T: (507)437-5674
 F: (507)437-9805

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)