



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id
SERVICE HOIST M1 BABBIT BEARING NON DRIVE END

Component
Non-Drive End Bearing

Fluid
PETRO CANADA COMPRESSOR OIL 68 (25 LTR)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0828557	WC0811978	WC0786836
Sample Date		Client Info		11 Sep 2023	04 Jul 2023	03 Feb 2023
Machine Age	mths	Client Info		2	0	2
Oil Age	mths	Client Info		2	0	2
Filter Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Not Changd
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

Tin ppm levels are abnormal. Antimony ppm levels are noted. Bearing wear is indicated.

Iron	ppm	ASTM D5185(m)	>20	<1	<1	<1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	0	<1	<1
Lead	ppm	ASTM D5185(m)	>20	4	▲ 75	▲ 98
Copper	ppm	ASTM D5185(m)	>20	2	<1	2
Tin	ppm	ASTM D5185(m)	>20	▲ 45	9	12
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

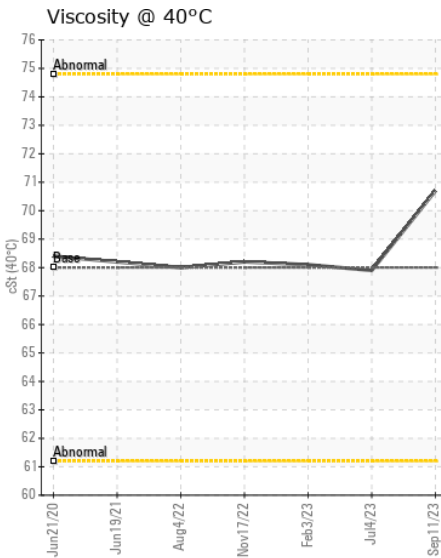
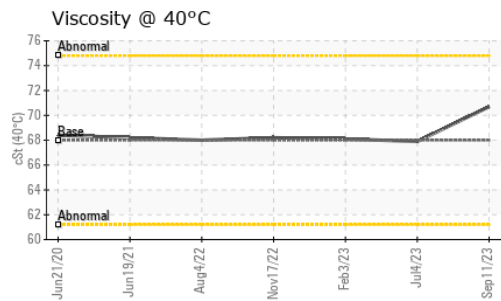
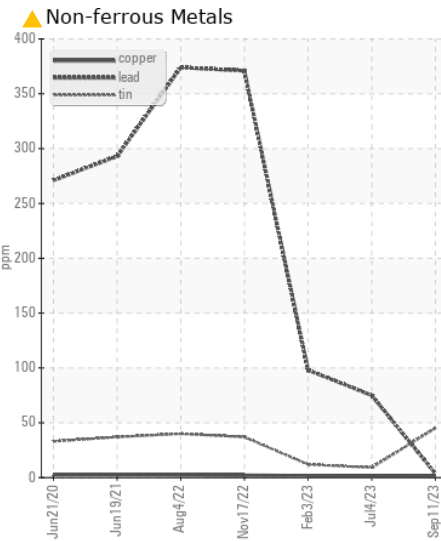
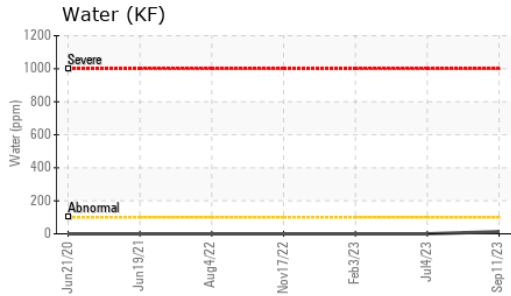
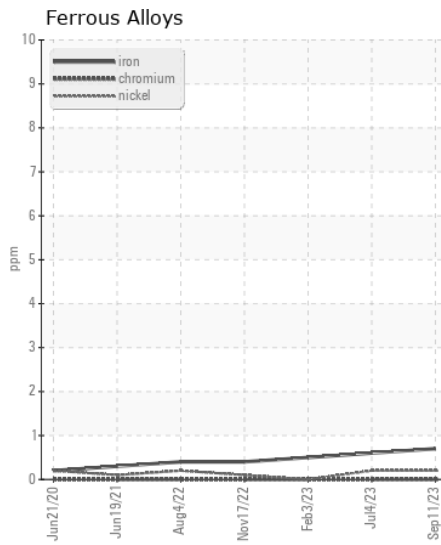
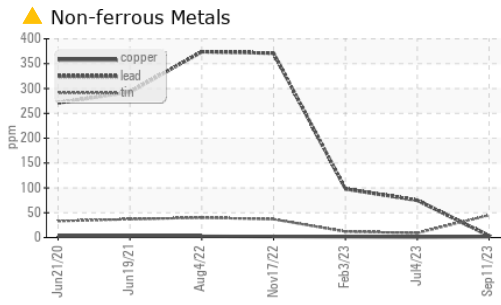
The water content is negligible.

Silicon	ppm	ASTM D5185(m)	>15	<1	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water	%	ASTM D6304*	>2	0.001	---	---
ppm Water	ppm	ASTM D6304*		12.7	---	---
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	▲ HAZY	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>2	NEG	NEG	.2%

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)		0	0	0
Boron	ppm	ASTM D5185(m)		<1	<1	<1
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		0	0	0
Calcium	ppm	ASTM D5185(m)		<1	<1	0
Phosphorus	ppm	ASTM D5185(m)		58	60	43
Zinc	ppm	ASTM D5185(m)		4	3	2
Sulfur	ppm	ASTM D5185(m)		1655	1431	1665
Visc @ 40°C	cSt	ASTM D7279(m)	68	70.7	67.9	68.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Wajax - Northpoint Technical Services
Sample No. : WC0828557 **Received** : 13 Sep 2023 1108 WebbWood Drive.
Lab Number : 02582150 **Diagnosed** : 14 Sep 2023 Sudbury, ON
Unique Number : 5643215 **Diagnostician** : Kevin Marson CA P3C 3B7
Test Package : IND 1 (Additional Tests: KF) **Contact:** Nick Walker
 nwalker@northpoints.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

Contact: Nick Walker
 nwalker@northpoints.com
 T: (705)499-2387
 F: (795)690-9010