



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Engine room
Machine Id
G5-0600 Air Compressor - Emergency (S/N 1053072)
Component
Air Compressor
Fluid
PETRO CANADA COMPRESSOR OIL 68 (4 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0603785	WC0432942	WC0342103
Sample Date		Client Info		04 Nov 2021	31 Oct 2020	11 Jul 2019
Machine Age	yrs	Client Info		0	11	0
Oil Age	yrs	Client Info		1	1	1
Filter Age	yrs	Client Info		0	1	1
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		30	12	5
Iron	ppm	ASTM D5185(m)	>50	26	10	<1
Chromium	ppm	ASTM D5185(m)	>4	0	0	0
Nickel	ppm	ASTM D5185(m)	>4	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>10	1	1	0
Lead	ppm	ASTM D5185(m)	>20	0	<1	0
Copper	ppm	ASTM D5185(m)	>40	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>5	<1	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

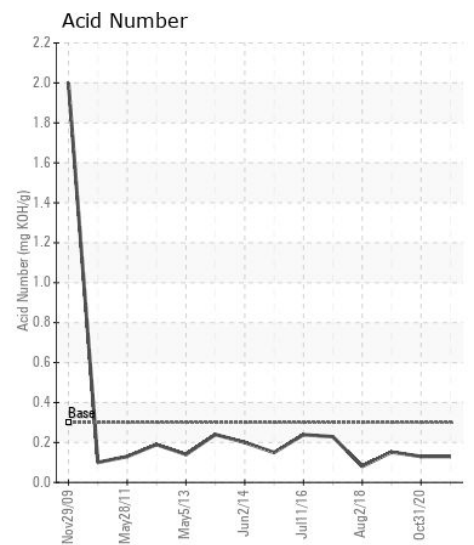
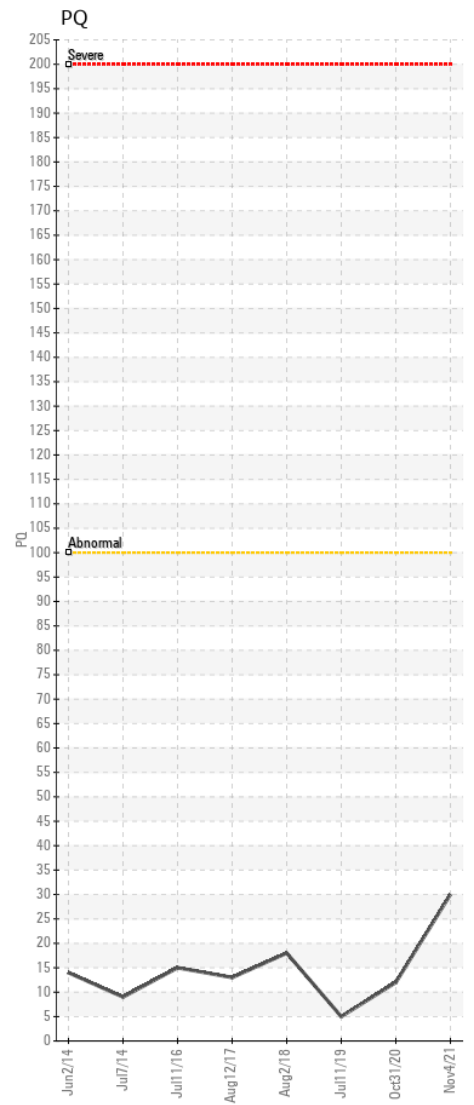
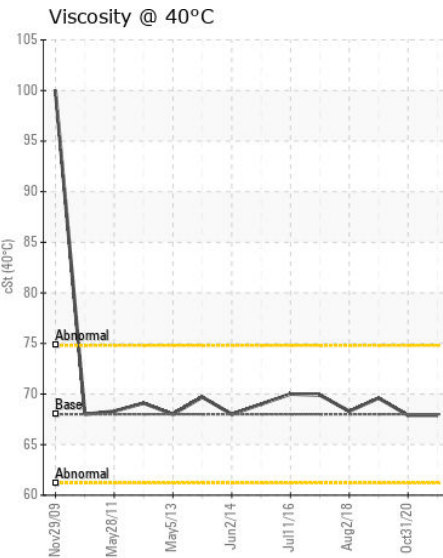
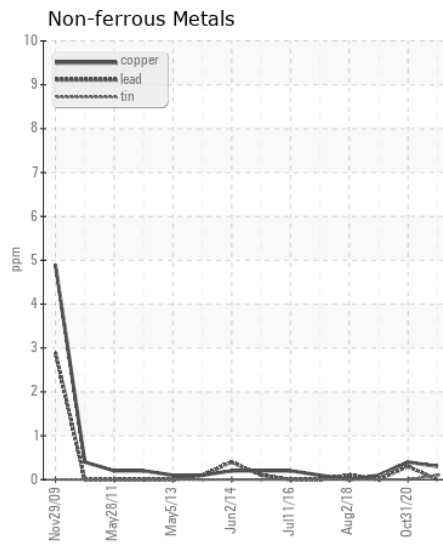
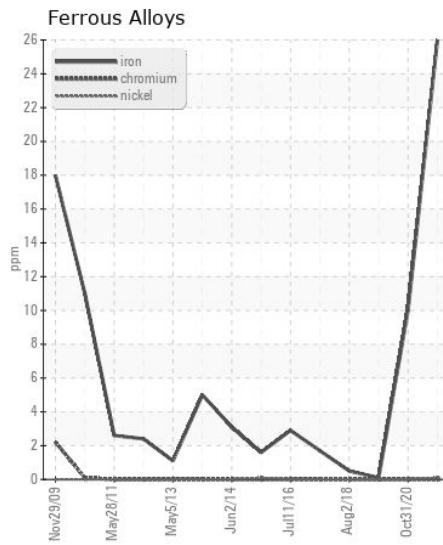
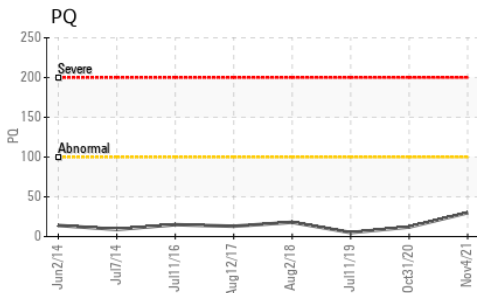
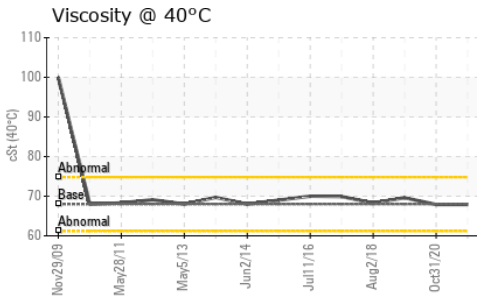
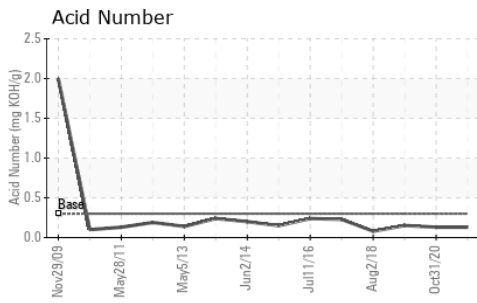
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	1	<1	0
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water		WC Method	>0.6	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	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*	>0.6	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<1	<1	0
Boron	ppm	ASTM D5185(m)		<1	<1	<1
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		<1	0	2
Manganese	ppm	ASTM D5185(m)		<1	<1	0
Magnesium	ppm	ASTM D5185(m)		0	<1	2
Calcium	ppm	ASTM D5185(m)		<1	<1	32
Phosphorus	ppm	ASTM D5185(m)		54	44	60
Zinc	ppm	ASTM D5185(m)		2	2	15
Sulfur	ppm	ASTM D5185(m)		1621	1594	1607
Acid Number (AN)	mg KOH/g	ASTM D974*	0.3	0.13	0.13	0.152
Visc @ 40°C	cSt	ASTM D7279(m)	68	67.9	67.9	69.6



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0603785
Lab Number : 02456991
Unique Number : 5316552
Test Package : MAR 2

CANADIAN COAST GUARD
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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.