



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
COMPRESSOR #3, PACKAGING, NH (S/N E0353)
 Component
Rotary Compressor
 Fluid
PETRO CANADA REFLO 68A AMMONIA OIL (35 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0087799	PC0035336	PC0022575
Sample Date		Client Info		15 May 2024	20 Nov 2020	21 Apr 2020
Machine Age	hrs	Client Info		85066	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		0	0	5
Iron	ppm	ASTM D5185(m)	>70	<1	11	3
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)		0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>3	0	<1	0
Lead	ppm	ASTM D5185(m)	>4	0	<1	0
Copper	ppm	ASTM D5185(m)	>20	<1	3	<1
Tin	ppm	ASTM D5185(m)	>3	0	0	0
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

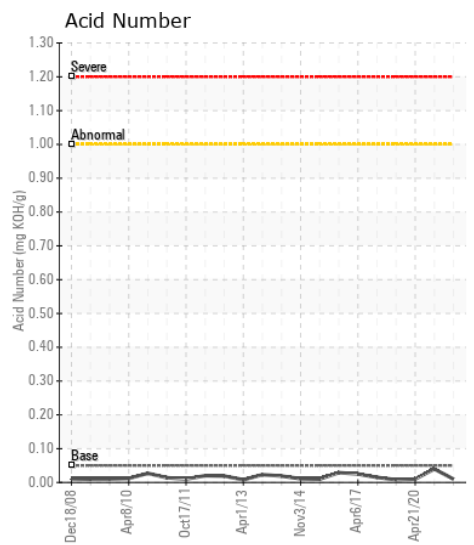
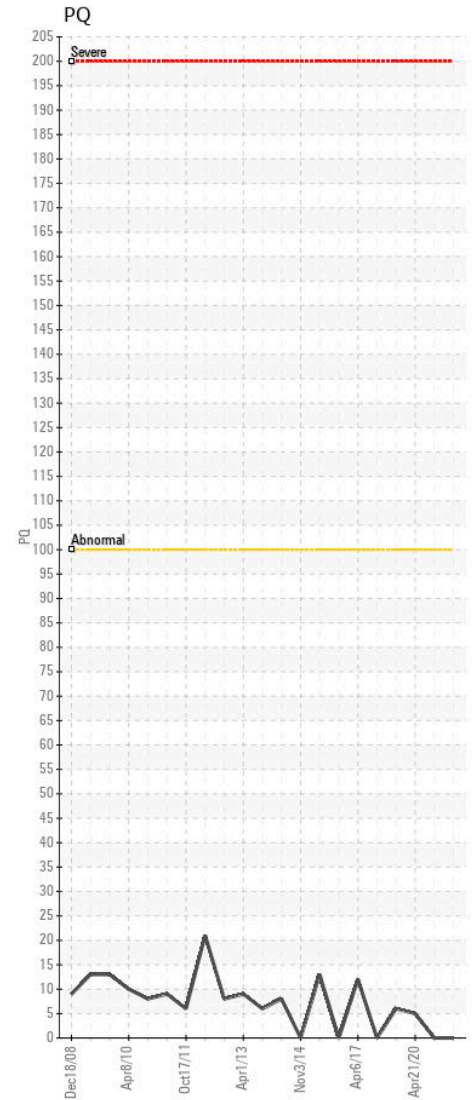
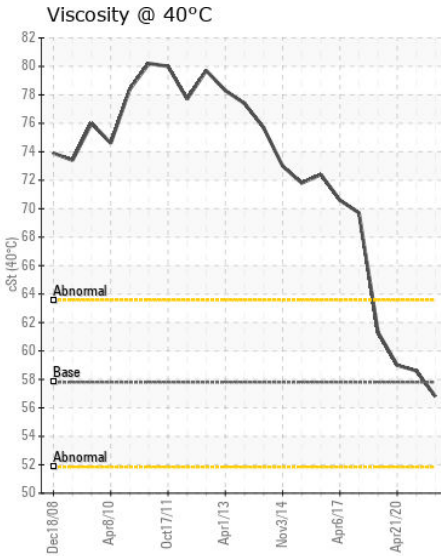
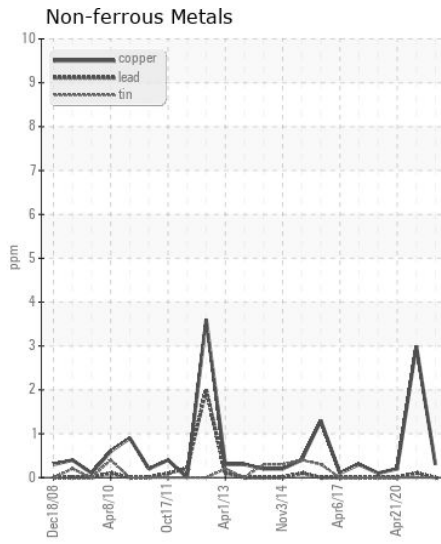
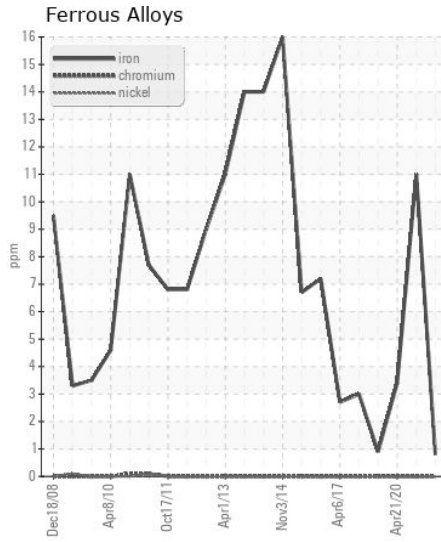
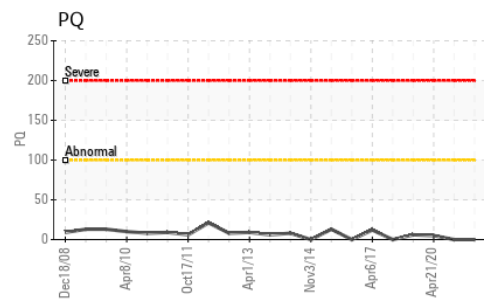
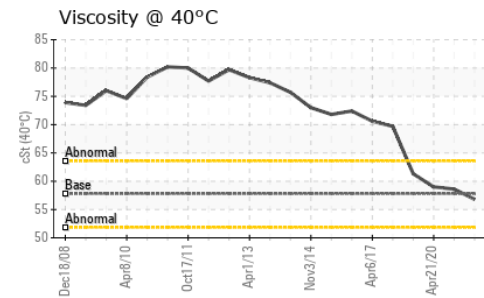
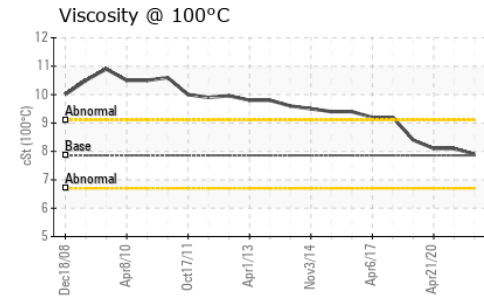
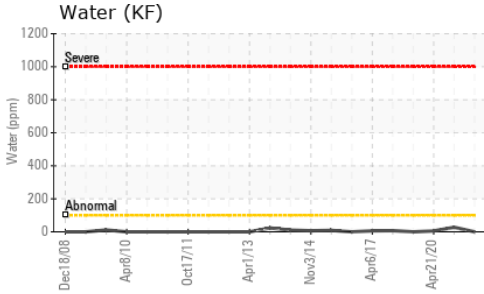
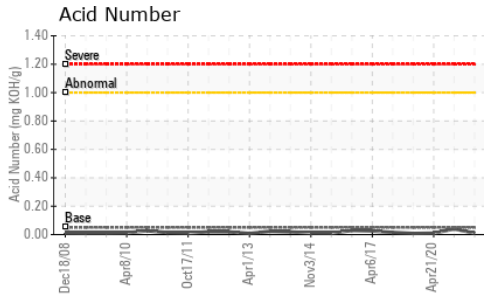
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>45	9	1	0
Potassium	ppm	ASTM D5185(m)	>20	0	<1	0
Water	%	ASTM D6304*	>0.6	0.00	0.003	0.001
ppm Water	ppm	ASTM D6304*		0	27.5	5.6
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	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)	0	<1	<1	0
Barium	ppm	ASTM D5185(m)	0	3	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	0	<1	0	0
Calcium	ppm	ASTM D5185(m)	0	0	<1	1
Phosphorus	ppm	ASTM D5185(m)	0	<1	<1	<1
Zinc	ppm	ASTM D5185(m)	0	2	14	3
Sulfur	ppm	ASTM D5185(m)	0	8	14	15
Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	0.01	0.04	0.01
Visc @ 40°C	cSt	ASTM D7279(m)	57.8	56.8	58.6	59.0
Visc @ 100°C	cSt	ASTM D7279(m)	7.86	7.9	8.1	8.1
Viscosity Index (VI)	Scale	ASTM D2270*	101	104	105	104



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0087799 **Received** : 13 Jun 2024
Lab Number : 02641752 **Tested** : 14 Jun 2024
Unique Number : 5799291 **Diagnosed** : 14 Jun 2024 - Wes Davis
Test Package : IND 2 (Additional Tests: KF, KV100, TAN Man, VI)

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.

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