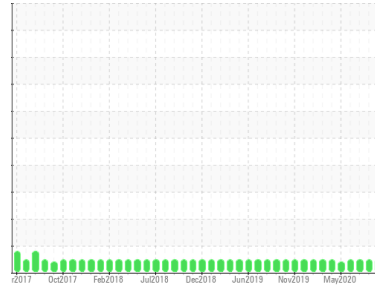


Area
Gas Compression
Machine Id
Compressor (LP) - Lubrication System (S/N Sample Tag XX-23001-S1)
Component
Lube System
Fluid
PETRO CANADA TURBOFLO XL32 (7600 LTR)



DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

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 history 1 history 2

Sample Number	Client Info	PC	PC	PC0029562
Sample Date	Client Info	02 Mar 2022	06 Sep 2020	13 Aug 2020
Machine Age	hrs Client Info	0	0	0
Oil Age	hrs Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS method limit/base current history 1 history 2

PQ	ASTM D8184*		0	8	0
Iron	ppm ASTM D5185(m)	>20	0	0	0
Chromium	ppm ASTM D5185(m)	>10	0	0	0
Nickel	ppm ASTM D5185(m)	>10	<1	<1	0
Titanium	ppm ASTM D5185(m)		0	0	0
Silver	ppm ASTM D5185(m)		0	0	0
Aluminum	ppm ASTM D5185(m)	>10	0	0	0
Lead	ppm ASTM D5185(m)	>20	0	0	0
Copper	ppm ASTM D5185(m)	>20	<1	<1	<1
Tin	ppm ASTM D5185(m)	>10	0	0	0
Antimony	ppm ASTM D5185(m)		0	<1	<1
Vanadium	ppm ASTM D5185(m)		0	0	0
Beryllium	ppm ASTM D5185(m)		0	0	0
Cadmium	ppm ASTM D5185(m)		0	0	0

ADDITIVES method limit/base current history 1 history 2

Boron	ppm ASTM D5185(m)	0	<1	<1	<1
Barium	ppm ASTM D5185(m)	0	0	0	0
Molybdenum	ppm ASTM D5185(m)	0	0	0	0
Manganese	ppm ASTM D5185(m)	0	0	0	0
Magnesium	ppm ASTM D5185(m)	0	0	<1	<1
Calcium	ppm ASTM D5185(m)	0	<1	<1	<1
Phosphorus	ppm ASTM D5185(m)	5	105	104	103
Zinc	ppm ASTM D5185(m)	0	2	2	2
Sulfur	ppm ASTM D5185(m)	750	193	207	207
Lithium	ppm ASTM D5185(m)		<1	<1	<1

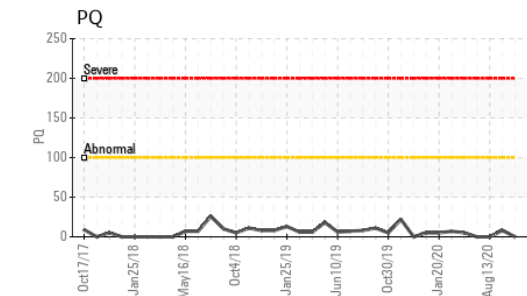
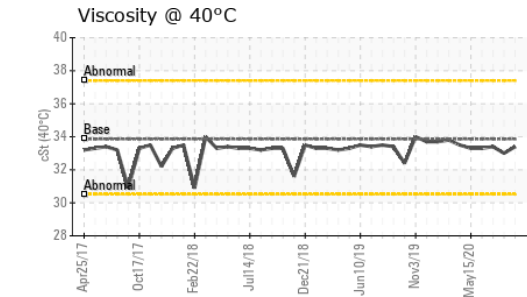
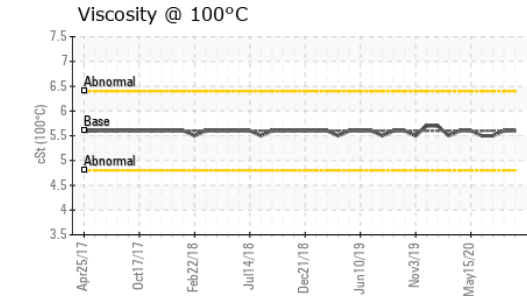
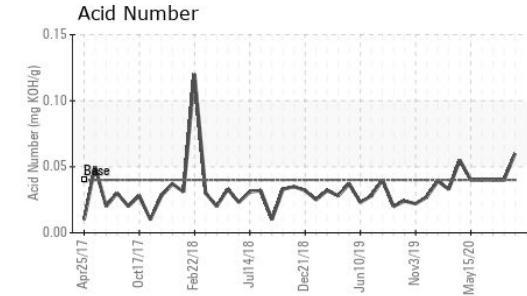
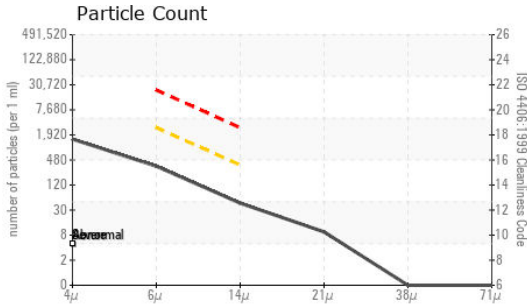
CONTAMINANTS method limit/base current history 1 history 2

Silicon	ppm ASTM D5185(m)	>15	2	1	2
Sodium	ppm ASTM D5185(m)		0	0	<1
Potassium	ppm ASTM D5185(m)	>20	<1	<1	<1

FLUID CLEANLINESS method limit/base current history 1 history 2

Particles >4µm	ASTM D7647		1336	7942	3128
Particles >6µm	ASTM D7647	>2500	299	1846	605
Particles >14µm	ASTM D7647	>320	39	100	23
Particles >21µm	ASTM D7647	>80	8	29	6
Particles >38µm	ASTM D7647	>20	0	2	0
Particles >71µm	ASTM D7647	>4	0	0	0
Oil Cleanliness	ISO 4406 (c)	>--/18/15	18/15/12	20/18/14	19/16/12

OIL ANALYSIS REPORT

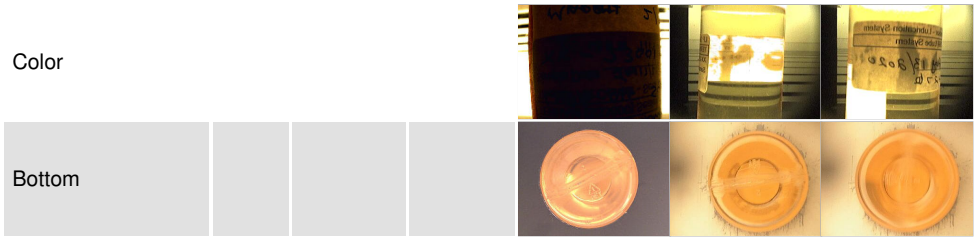


FLUID DEGRADATION		method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.04	0.06	0.04	0.04

VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
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	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D7279(m)	33.86	33.4	33.0	33.4
Visc @ 100°C	cSt	ASTM D7279(m)	5.60	5.6	5.6	5.5
Viscosity Index (VI)	Scale	ASTM D2270*	101	105	107	99

SAMPLE IMAGES



Color

Bottom



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC
Lab Number : **02477237** **Received** : 14 Mar 2022
Unique Number : 5370165 **Diagnosed** : 15 Mar 2022
Test Package : MAR 2 (Additional Tests: KV100, PQ, TAN Man, VI) **Diagnostician** : Kevin Marson

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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