

Area

Gas Compression

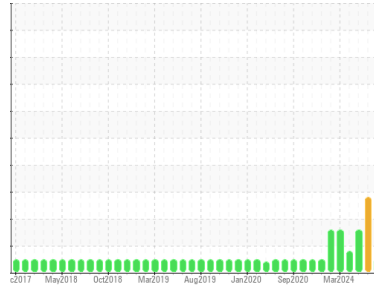
Machine Id
Compressor (LP) - Lubrication System (S/N Sample Tag XX-23001-S1)

Component

Lube System

Fluid

PETRO CANADA TURBOFLO XL32 (7600 LTR)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MAR 3 test kits, this testkit includes Analytical Ferrography which provides a detailed morphological analysis of wear particles present in the fluid.

Wear

Component wear rates appear to be normal (unconfirmed).

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 history1 history2

Sample Number	Client Info	PC	PC	PC
Sample Date	Client Info	20 May 2024	28 Apr 2024	19 Apr 2024
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	ABNORMAL	ABNORMAL

CONTAMINATION method limit/base current history1 history2

Water	WC Method	>0.05	NEG	NEG	NEG
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WEAR METALS method limit/base current history1 history2

PQ	ASTM D8184*		0	0	0
Iron	ppm ASTM D5185(m)	>20	0	0	<1
Chromium	ppm ASTM D5185(m)	>10	0	0	0
Nickel	ppm ASTM D5185(m)	>10	0	<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	0	0
Vanadium	ppm ASTM D5185(m)		0	0	0
Beryllium	ppm ASTM D5185(m)		0	0	0
Cadmium	ppm ASTM D5185(m)		0	0	0

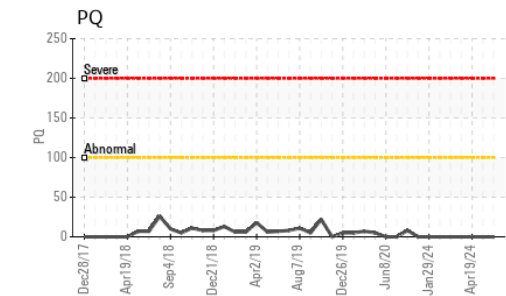
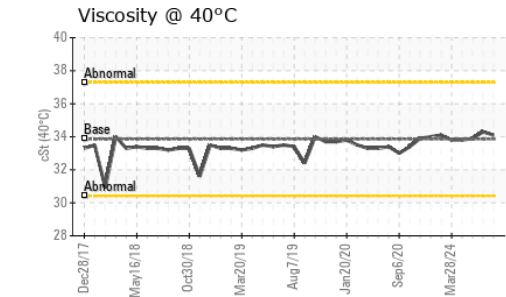
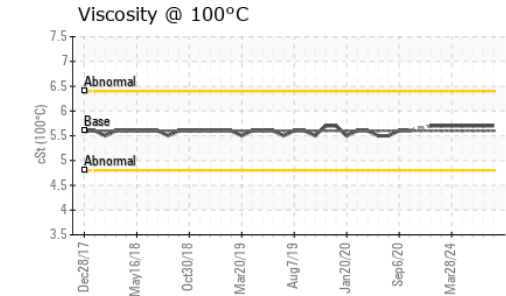
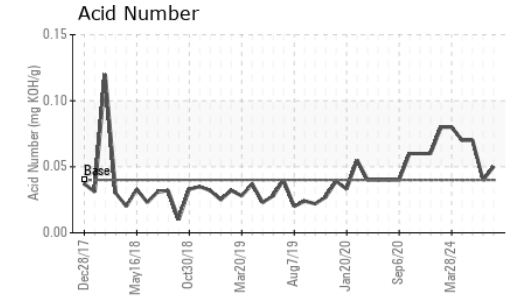
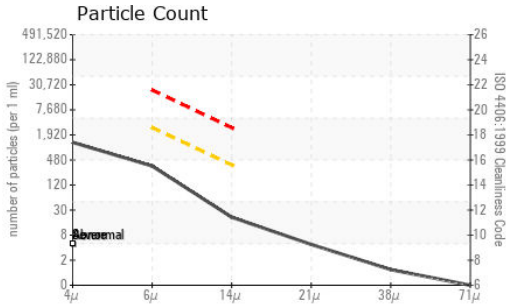
ADDITIVES method limit/base current history1 history2

Boron	ppm ASTM D5185(m)	0	<1	0	0
Barium	ppm ASTM D5185(m)	0	1	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	<1	0	<1
Calcium	ppm ASTM D5185(m)	0	0	0	0
Phosphorus	ppm ASTM D5185(m)	5	3	4	4
Zinc	ppm ASTM D5185(m)	0	1	1	2
Sulfur	ppm ASTM D5185(m)	750	622	659	608
Lithium	ppm ASTM D5185(m)		<1	<1	<1

CONTAMINANTS method limit/base current history1 history2

Silicon	ppm ASTM D5185(m)	>15	0	<1	4
Sodium	ppm ASTM D5185(m)		0	0	<1
Potassium	ppm ASTM D5185(m)	>20	<1	<1	0

OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC
Lab Number : 02640278
Unique Number : 5789440
Test Package : MAR 2 (Additional Tests: KV100, PQ, TAN Man, VI)
Received : 06 Jun 2024
Tested : 07 Jun 2024
Diagnosed : 07 Jun 2024 - 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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FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647			1116	18760	45923
Particles >6µm	ASTM D7647	>2500		302	▲ 6135	▲ 13747
Particles >14µm	ASTM D7647	>320		18	● 348	▲ 901
Particles >21µm	ASTM D7647	>80		4	65	▲ 222
Particles >38µm	ASTM D7647	>20		1	4	19
Particles >71µm	ASTM D7647	>4		0	1	2
Oil Cleanliness	ISO 4406 (c)	>--/18/15		17/15/11	▲ 21/20/16	▲ 23/21/17

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.04	0.05	0.04	0.07

VISUAL		method	limit/base	current	history1	history2
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	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	▲ VLITE	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	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	33.86	34.1	34.3	33.9
Visc @ 100°C	cSt	ASTM D7279(m)	5.60	5.7	5.7	5.7
Viscosity Index (VI)	Scale	ASTM D2270*	101	106	105	107

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						
PrtFilter					no image	
MPC					no image	