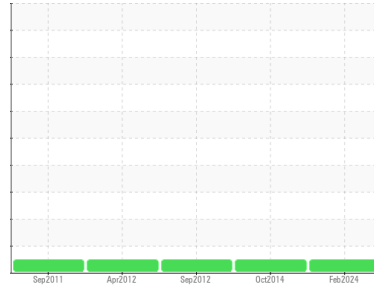


Machine Id
THICKENING NO.#3 (S/N 800052-2005)

Component
Centrifugal Compressor

Fluid
PETRO CANADA TURBOFLO R&O 46 (30 LTR)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

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	PC0058394	PC349261	PC340129	
Sample Date	Client Info	14 Feb 2024	07 Oct 2014	24 Sep 2012	
Machine Age	hrs	Client Info	55002	15914	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info	Not Chngd	N/A	N/A	
Sample Status		NORMAL	NORMAL	NORMAL	

WEAR METALS method limit/base current history1 history2

PQ	ASTM D8184*		0	0	9
Iron	ppm	ASTM D5185(m) >50	1	<1	<1
Chromium	ppm	ASTM D5185(m) >10	0	0	0
Nickel	ppm	ASTM D5185(m)	<1	0	0
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >25	<1	0	<1
Lead	ppm	ASTM D5185(m) >25	<1	<1	2
Copper	ppm	ASTM D5185(m) >50	1	<1	1
Tin	ppm	ASTM D5185(m) >15	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	<1	0

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185(m)	0	0	<1
Barium	ppm	ASTM D5185(m)	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	0	0
Manganese	ppm	ASTM D5185(m)	0	<1	0
Magnesium	ppm	ASTM D5185(m)	<1	0	0
Calcium	ppm	ASTM D5185(m) 0	<1	<1	1
Phosphorus	ppm	ASTM D5185(m) 3	5	2	7
Zinc	ppm	ASTM D5185(m) 0	2	6	13
Sulfur	ppm	ASTM D5185(m)	169	24	126
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

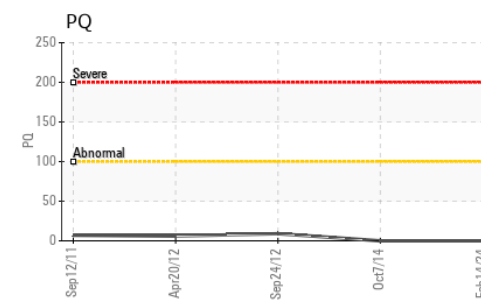
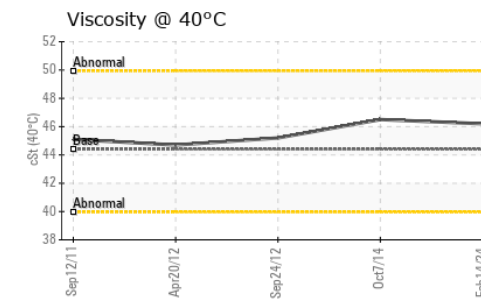
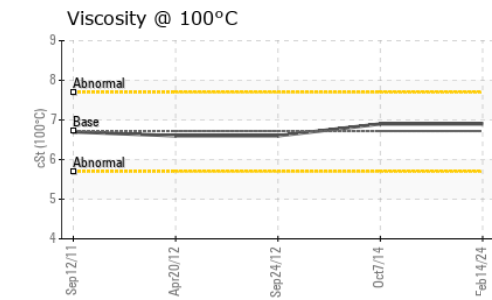
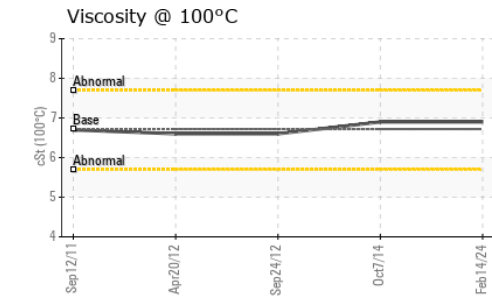
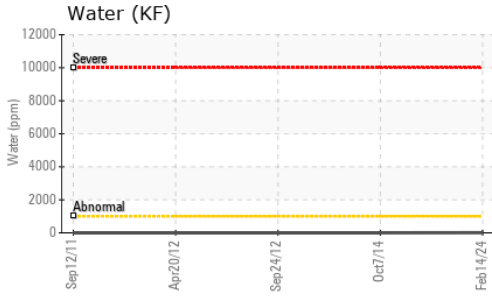
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185(m) >25	0	<1	<1
Sodium	ppm	ASTM D5185(m)	2	8	8
Potassium	ppm	ASTM D5185(m) >20	<1	0	0
Water	%	ASTM D6304* >0.1	0.001	---	---
ppm Water	ppm	ASTM D6304* >1000	7	---	---

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D974* 0.12	0.07	0.088	0.07
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OIL ANALYSIS REPORT

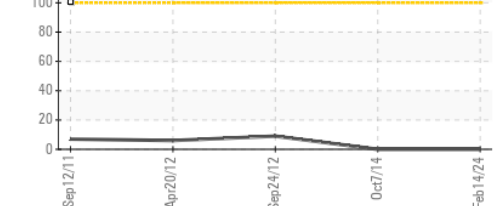
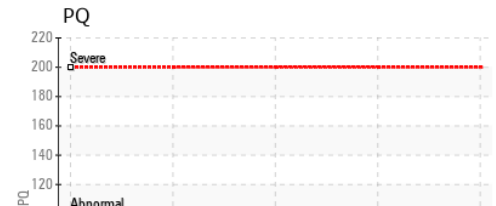
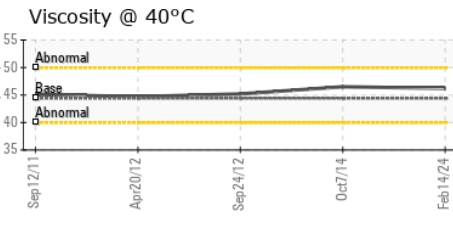
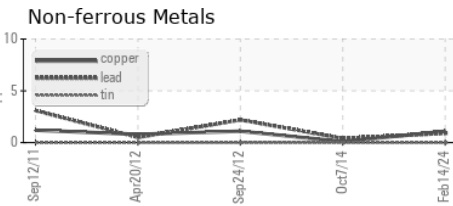
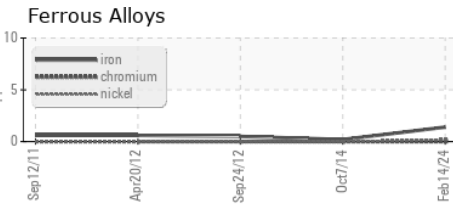


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	44.4	46.2	46.5
Visc @ 100°C	cSt	ASTM D7279(m)	6.72	6.9	6.6
Viscosity Index (VI)	Scale	ASTM D2270*	104	103	96

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0058394
Lab Number : 02619920
Unique Number : 5737030
Test Package : IND 2 (Additional Tests: KF, KV100, TAN Man, VI)

ONTARIO CLEAN WATER AGENCY- SOUTH PEEL FACILITIES
 1300 LAKESHORE RD
 MISSISSAUGA, ON
 CA L5E 1E9
 Contact: Angelo Magnifico
 amagnifico@ocwa.com
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 F: (905)274-2076

*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.*