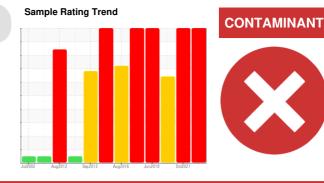


PROBLEM SUMMARY

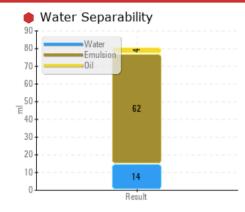
A7 - Thrust Bearing

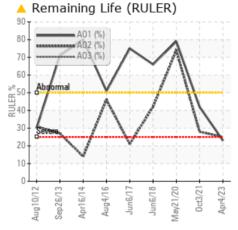
Component **Thrust Bearing**

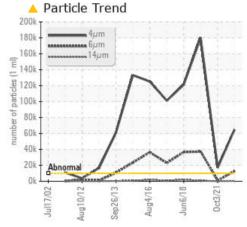
PETRO CANADA TURBOFLO R&O 46 (5705 LTR)



COMPONENT CONDITION SUMMARY







RECOMMENDATION

We recommend that you perform vacuum distillation and/or air drying to attempt to remove any recidual resample to monitor this condition.

and/or all drying to attempt to remove any residual
water and/or entrained gases from this oil that may
be contributing to abnormal foaming and/or poor
water separability. We advise that you check for the
source of water entry. Check seals and/or filters for
points of contaminant entry. We recommend that
you sweeten the oil by draining off a portion of the
system oil (25%) and replacing with new oil. The air
breather requires service. If unrated, we
recommend that you replace with a suitable micron
rated and/or desiccant air breather. If rated, we
recommend that you service/replace the breather.
We advise that you use off-line filtration with water
adsorbent filters to attempt to remove the water from
this oil. We advise that you perform a filter service,
and use off-line filtration to improve the cleanliness
of the system fluid. We recommend an early
i

Customer Id: CHUCHU Sample No.: WC Lab Number: 02580006 Test Package: AOM 3



To manage this report scan the QR code

To discuss the diagnosis or test data: Bill Quesnel CLS,OMA II,MLA-III,LLA-I +1 (289)291-4641 x4641

Bill.Quesnel@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

PROBLEMATIC TEST RESULTS								
Sample Status				SI	EVERE	SEVERE	SEVERE	
Particles >4µm		ASTM D7647	>10000		64881	<u>▲</u> 17142	● 180130	
Particles >6µm		ASTM D7647	>2500		12700	1041	37244	
Particles >14μm		ASTM D7647	>160		438	13	△ 768	
Particles >21μm		ASTM D7647	>40		84	3	<u> </u>	
Oil Cleanliness		ISO 4406 (c)	>20/18/14		23/21/16	<u>^</u> 21/17/11	25/22/17	
Anti-Oxidant 1	%	ASTM D6971*	<25		23	42	79	
Anti-Oxidant 2	%	ASTM D6971*	<25		25	28	74	
Free Water	scalar	Visual*			5%	NEG	NEG	
Separability	oil/h2o/em	ASTM D1401*	41/39/0		4/14/62 (30)	2 /2/76 (30)	41/39/0 (25)	
Foam Tendency	1/11/111	ASTM D892*	10		450/20/405	420/40/270	390/10/110	
PrtFilter								

RECOMMENDED ACTIONS Action **Status** Date Done By Description We advise that you perform a filter service, and use off-line filtration to Change Filter ? improve the cleanliness of the system fluid. Resample ? We recommend an early resample to monitor this condition. The air breather requires service. If unrated, we recommend that you replace with a ? **Check Breathers** suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather **Check Water Access** ? We advise that you check for the source of water entry. Check Seals ? Check seals and/or filters for points of contaminant entry. We advise that you perform a filter service, and use off-line filtration to Filter Fluid ? improve the cleanliness of the system fluid. We recommend that you sweeten the oil by draining off a portion of the Partial Drain ? system oil (25%) and replacing with new oil.

HISTORICAL DIAGNOSIS

CONTAMINANT



03 Oct 2021 Diag: Bill Quesnel

We recommend that you perform vacuum distillation and/or air drying to attempt to remove any residual water and/or entrained gases from this oil that may be contributing to abnormal foaming and/or poor water separability. We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition All component wear rates are normal. The direct-reading & analytical ferrographic results are normal indicating no abnormal wear in the system. There is a light amount of silt (particulates < 14 microns in size) present in the oil. MPC (Membrane Patch Colorimetry) test indicates acceptable levels of varnish present. Water Separability results (ASTM D1401) are poor and indicate that the oil will form emulsions with water. The water content is negligible. Additive levels indicate the addition of a different brand, or type of oil. The Air Release Value (ASTM D3427) indicates that the oil has good deaeration properties. Foaming Tendency and Stability (ASTM D892) results all within normal range. Linear Sweep Voltammetry (RULER - ASTM D6971) testing indicates normal levels of anti-oxidants present in the oil. The Rotating Pressure Vessel Oxidation Test (RPVOT - ASTM D2272) result indicates suitable amounts of anti-oxidant(s) present in the oil. The AN level is acceptable for this fluid.





21 May 2020 Diag: Bill Quesnel
We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend that you use electrostatic filtration to remove insolubles from the oil and to reduce the levels of varnish in the system. Alternatively draining a percentage of the oil and topping up with fresh oil (sweetening the oil) may provide a reduction in the varnish potential level. Resample in 30-45 days to monitor this situation. Diagnostician's Comments: It appears as if you did a sweetening of the oil (or used some type of resin filtration), and this has restored some properties of the oil, however, it has also liberated more varnish (probably older varnish that was lining piping). Advise that you look at purchasing some type of varnish removal filtration system. All component wear rates are normal. The direct-reading & analytical ferrographic results are normal indicating no abnormal wear in the system. Particles >6µm are severely high. MPC Varnish Potential contamination levels are severely high. Particles >4µm are severely high. Particles > normal levels of anti-oxidants present in the oil. The Rotating Pressure Vessel Oxidation Test (RPVOT – ASTM D2272) result indicates suitable amounts of anti-oxidant(s) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



06 Jun 2018 Diag: Bill Quesnel



We recommend that you perform vacuum distillation and/or air drying to attempt to remove any residual water and/or entrained gases from this oil that may be contributing to abnormal foaming and/or poor water separability. We advise that you check all areas where contaminants can enter the system. We recommend that you investigate the system for introduction of a surfactant to the reservoir. Some potential surfactants include incorrect oil make-up with an oil containing emulsifying agents (engine oil, compressor oil, gear oil), or soaps entering the system after wash down. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend that you use electrostatic filtration to remove insolubles from the oil and to reduce the levels of varnish in the system. Alternatively draining a percentage of the oil and topping up with fresh oil (sweetening the oil) may provide a reduction in the varnish potential level. Resample in 30-45 days to monitor this situation. Wear particle analysis indicates that topping up with riests on (seweretiming the only may provide a reduction in the variants potential revented and its provided and provided and provided and the nonferrous rolling particles are abnormal. Particles >14 µm are severely high. Particles >21 µm are severely high. Particles >21 µm are severely high. Particles >31 µm are severely high. Particle indicates suitable amounts of anti-oxidant(s) present in the oil. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe v





OIL ANALYSIS REPORT

Machine Id A7 - Thrust Bearing Component

Thrust Bearing

PETRO CANADA TURBOFLO R&O 46 (5705 LTR)

Sample Rating Trend



DIAGNOSIS

Recommendation

We recommend that you perform vacuum distillation and/or air drying to attempt to remove any residual water and/or entrained gases from this oil that may be contributing to abnormal foaming and/or poor water separability. We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. We recommend that you sweeten the oil by draining off a portion of the system oil (25%) and replacing with new oil. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you use off-line filtration with water adsorbent filters to attempt to remove the water from this oil. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal. The directreading & analytical ferrographic results are normal indicating no abnormal wear in the system.

Contaminants

There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. Water Separability results (ASTM D1401) are poor and indicate that the oil will form emulsions with water. There is a moderate concentration of water present in the oil. Free water present.

Oil Condition

Foaming Tendency stage I (ASTM D892) result is abnormal indicating a tendency for oil foaming. Linear Sweep Voltammetry (RULER- ASTM D6971) testing indicates a low amount of both anti-oxidants present in the oil. Rust Prevention test (ASTM D665) indicates the oil retains good anti-corrosion properties. The AN level is acceptable for this fluid. The oil is still serviceable provided that the

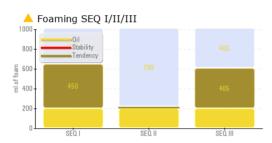


			Aug2012 Sep2013	Aug2016 Jun2018		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		wc	WC0308164	WC944663
Sample Date		Client Info		04 Apr 2023	03 Oct 2021	21 May 2020
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>85	2	1	3
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>40	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>60	2	13	9
Copper	ppm	ASTM D5185(m)	>7	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>40	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	<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	history1	history2
ADDITIVES Boron	ppm		limit/base	current 0	history1 <1	history2 0
	ppm	ASTM D5185(m)	limit/base		<1	
Boron Barium	ppm	ASTM D5185(m) ASTM D5185(m)	limit/base	0		0
Boron Barium Molybdenum	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0	<1	0
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 0 0	<1 0 0	0 0 0
Boron Barium Molybdenum	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 0 0	<1 0 0	0 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 0 0 0	<1 0 0 0 0 <1	0 0 0 0
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	ASTM D5185(m)	0 3	0 0 0 0 0 	<1 0 0 0 0 <1 <1	0 0 0 0 0 0 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 3	0 0 0 0 0 0 <1 3	<1 0 0 0 0 <1 <1 <1	0 0 0 0 0 0 <1 4
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185(m)	0 3	0 0 0 0 0 <1 3	<1 0 0 0 0 <1 <1 ^5 2	0 0 0 0 0 0 <1 4
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 3	0 0 0 0 0 <1 3 2	<1 0 0 0 0 <1 <1 <1 \$5 2 128	0 0 0 0 0 0 <1 4 2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 3 0	0 0 0 0 0 <1 3 2 141 <1	<1 0 0 0 <1 <1 \$\ilde{1}\$ \$\ilde{5}\$ 2 128 <1	0 0 0 0 0 <1 4 2 141 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 3 0	0 0 0 0 0 <1 3 2 141 <1	<1 0 0 0 <1 <1 <1 5 2 128 <1	0 0 0 0 0 0 <1 4 2 141 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 3 0	0 0 0 0 0 <1 3 2 141 <1	<1 0 0 0 <1 <1 <1 ▲ 5 2 128 <1 history1	0 0 0 0 0 0 <1 4 2 141 <1 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 3 0 limit/base >20 >20	0 0 0 0 0 <1 3 2 141 <1 current	<1 0 0 0 <1 <1 <1 5 2 128 <1 history1 0 0 <1	0 0 0 0 0 0 <1 4 2 141 <1 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 3 0 limit/base >20 >20	0 0 0 0 0 <1 3 2 141 <1 current	<1 0 0 0 <1 <1 <1 ▲ 5 2 128 <1 history1 0	0 0 0 0 0 0 <1 4 2 141 <1 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 3 0 limit/base >20 >20	0 0 0 0 0 <1 3 2 141 <1 current <1 0 <1 0.348	<1 0 0 0 0 <1 <1 <1 5 2 128 <1 history1 0 0 <1 0.002	0 0 0 0 0 0 <1 4 2 141 <1 history2 0 0 <1 0.006
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D6304*	0 3 0 limit/base >20 >20 >2	0 0 0 0 0 <1 3 2 141 <1 current <1 0 <1 0.348	<1 0 0 0 0 <1 <1 <1 5 2 128 <1 history1 0 0 <1 0.002 21.1 history1	0 0 0 0 0 <1 4 2 141 <1 history2 0 0 <1 0.006 62.9
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium Water ppm Water INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D6304* ASTM D6304*	0 3 0 limit/base >20 >20 >2	0 0 0 0 0 <1 3 2 141 <1 current <1 0 <1 0.348 3485.2 current 0	<1 0 0 0 0 <1 <1 <1 <1 5 2 128 <1 history1 0 0 <1 0.002 21.1 history1 0	0 0 0 0 0 0 <1 4 2 141 <1 history2 0 0 <1 0.006 62.9 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D6304* ASTM D6304* method	0 3 0 limit/base >20 >20 >2	0 0 0 0 0 <1 3 2 141 <1 current <1 0 <1 0.348 3485.2	<1 0 0 0 0 <1 <1 <1 5 2 128 <1 history1 0 0 <1 0.002 21.1 history1	0 0 0 0 0 0 <1 4 2 141 <1 history2 0 0 <1 0.006 62.9

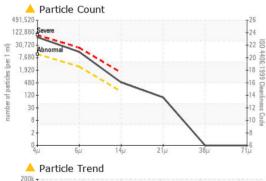


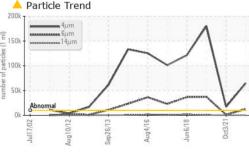
OIL ANALYSIS REPORT











FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<u> </u>	<u></u> 17142	180130
Particles >6µm	ASTM D7647	>2500	12700	1041	37244
Particles >14μm	ASTM D7647	>160	438	13	<u> </u>
Particles >21µm	ASTM D7647	>40	A 84	3	<u></u> 130
Particles >38μm	ASTM D7647	>10	0	0	1
Particles >71μm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/14	23/21/16	<u> </u>	25/22/17
FILLIB DECDARATION		11 1.0		11.	

FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*		1.0	2.5	2.5
Acid Number (AN)	mg KOH/g	ASTM D974*	0.12	0.07	0.07	0.08
Anti-Oxidant 1	%	ASTM D6971*	<25	<u>23</u>	42	79
Anti-Oxidant 2	%	ASTM D6971*	<25	<u> </u>	28	74
MPC Varnish Potential	Scale	ASTM D7843(m)*	>15	10	14	5 2

VISUAL		metnoa	ilmit/base	current	nistory i	nistory2
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	VLITE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	WGOIL	NORML	▲ HAZY
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>2	.5%	NEG	.2%
Free Water	scalar	Visual*		5 %	NEG	NEG

FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	44.4	44.8	44.5	44.3
Visc @ 100°C	cSt	ASTM D7279(m)	6.72	6.7	6.8	6.7
Viscosity Index (VI)	Scale	ASTM D2270*	104	102	107	103
Separability	oil/h2o/em	ASTM D1401*	41/39/0	4/14/62 (30)	2 /2/76 (30)	41/39/0 (25)
Air Release Time	min	ASTM D3427*	3.5	4.00	5.30	3.40
Foam Tendency	1/11/111	ASTM D892*	10	450/20/405	420/40/270	390/10/110
Foam Stability	1/11/111	ASTM D892*	0	0/0/0	0/0/0	0/0/0
ASTM Color	scalar	ASTM D1500*	0.5	L0.5	<1.0	<1.0
Rust Prevention	PASS/FAIL	ASTM D665*	PASS	PASS	PASS	PASS
Oxidation Test (RPVOT)	minutes	ASTM D2272*	400	846	625	744
OEDINAENE.			11 1.0			

SEDIMENT		method	limit/base	current	history1	history2
Pentane Insolubles	%	ASTM D893(m)*		0.031	0.110	0.101
Toluene Insolubles	%	ASTM D893(m)*		0.014	0.055	0.040



CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number : 5633066

: WC : 02580006

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received Diagnosed

Test Package : AOM 3 (Additional Tests: BottomAnalysis, FilterPatch, PrtFilter, Tollnsol)

: 01 Sep 2023 : 19 Sep 2023 Diagnostician : Bill Quesnel

Nalcor Energy - Churchill Falls Churchill Falls, NL

CA A0R 1A0 Contact: Robert Noel robertnoel@nlh.nl.ca T: (709)925-8294

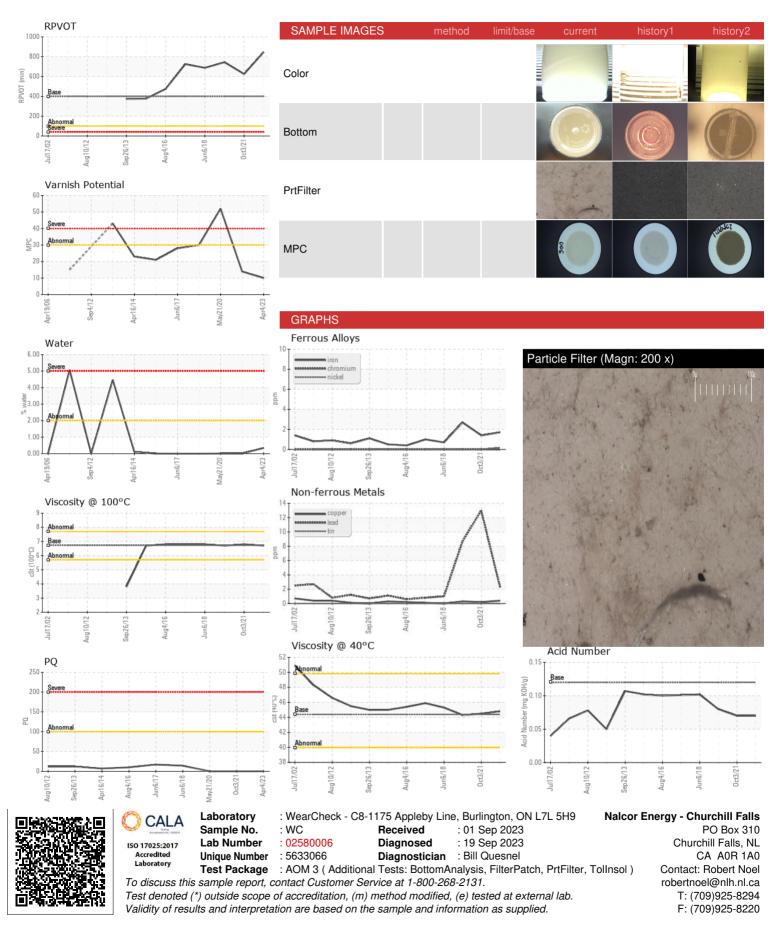
F: (709)925-8220

PO Box 310

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.



OIL ANALYSIS REPORT



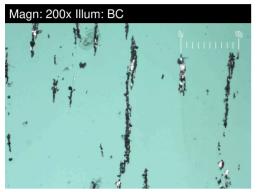


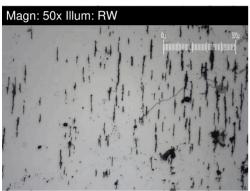
FERROGRAPHY REPORT

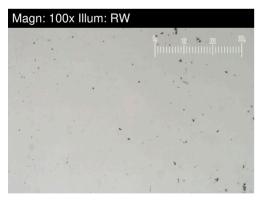
A7 - Thrust Bearing

Thrust Bearing

PETRO CANADA TURBOFLO R&O 46 (5705 LTR)



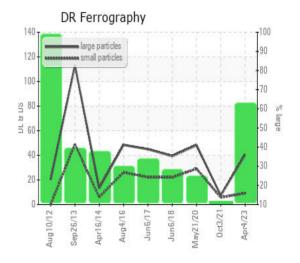


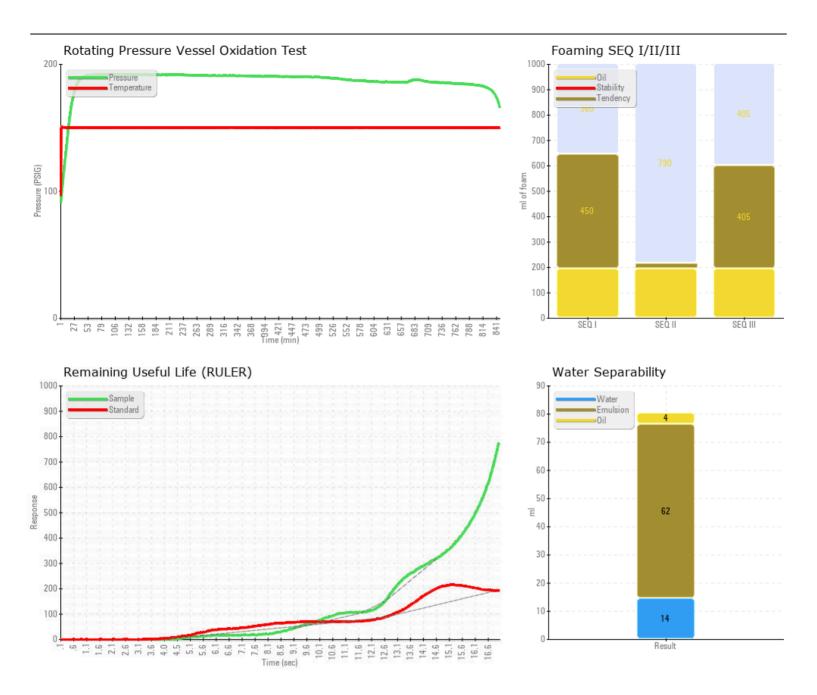


DR-FERROGRAP	ΉY	method	limit/base	current	history1	history2
Large Particles		DR-Ferr*		40.5	7.2	48.2
Small Particles		DR-Ferr*		9.2	5.7	29.1
Total Particles		DR-Ferr*	>	49.7	12.9	77.3
Large Particles Percentage	%	DR-Ferr*		63	11.6	24.7
Severity Index		DR-Ferr*		1268	10.8	921
FERROGRAPHY		method	limit/base	current	history1	history2
Ferrous Rubbing	Scale 0-10	ASTM D7684*		4	2	3
Ferrous Sliding	Scale 0-10	ASTM D7684*				
Ferrous Cutting	Scale 0-10	ASTM D7684*				
Ferrous Rolling	Scale 0-10	ASTM D7684*		2	1	1
Ferrous Break-in	Scale 0-10	ASTM D7684*				
Ferrous Spheres	Scale 0-10	ASTM D7684*				
Ferrous Black Oxides	Scale 0-10	ASTM D7684*		1		
Ferrous Red Oxides	Scale 0-10	ASTM D7684*				
Ferrous Corrosive	Scale 0-10	ASTM D7684*				1
Ferrous Other	Scale 0-10	ASTM D7684*				
Nonferrous Rubbing	Scale 0-10	ASTM D7684*				
Nonferrous Sliding	Scale 0-10	ASTM D7684*				
Nonferrous Cutting	Scale 0-10	ASTM D7684*				
Nonferrous Rolling	Scale 0-10	ASTM D7684*				
Nonferrous Other	Scale 0-10	ASTM D7684*				
Carbonaceous Material	Scale 0-10	ASTM D7684*				
Lubricant Degradation	Scale 0-10	ASTM D7684*			1	3
Sand/Dirt	Scale 0-10	ASTM D7684*		1	1	1
Fibres	Scale 0-10	ASTM D7684*				
Spheres	Scale 0-10	ASTM D7684*				
Other	Scale 0-10	ASTM D7684*		2	2	2

WEAR

All component wear rates are normal. The direct-reading & analytical ferrographic results are normal indicating no abnormal wear in the system.









Report Id: CHUCHU [WCAMIS] 02580006 (Generated: 09/19/2023 07:51:29) Rev: 1

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