



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area
1 White Oil/016 Hydrogen/B Blower/Fan/501 Induced Draft Fan
 Machine Id

Component
16B501 (EAST BEARING)

Fluid
East Bearing

PETRO CANADA SUPER TURBOFLO 68 (2 LTR)

RECOMMENDATION

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. Resample in 30-45 days to monitor this situation.

WEAR

All component wear rates are normal.

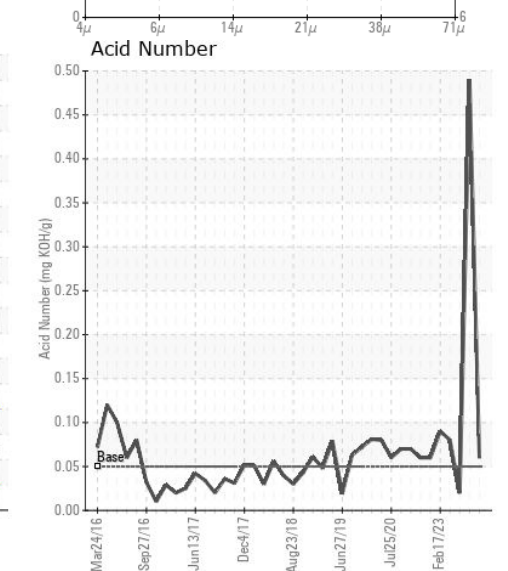
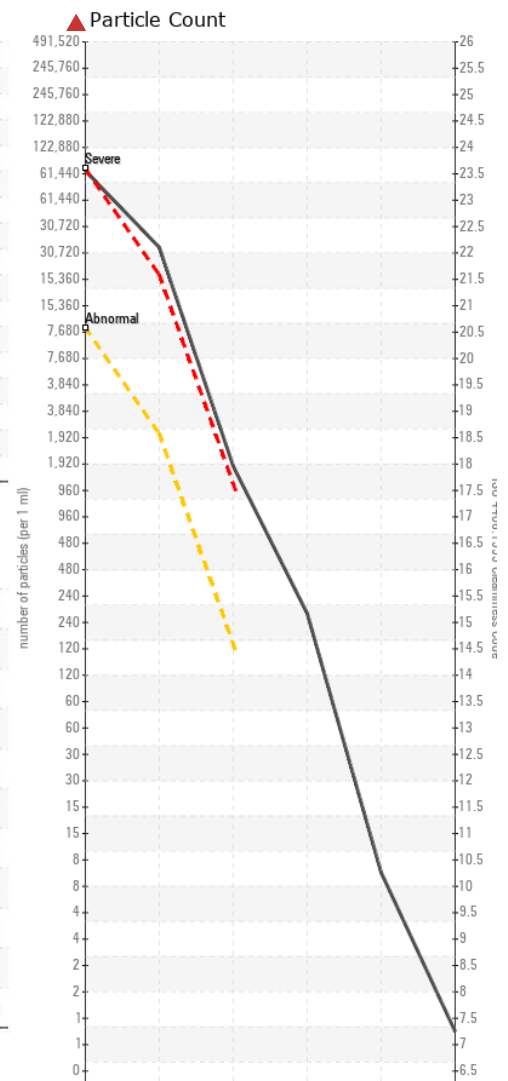
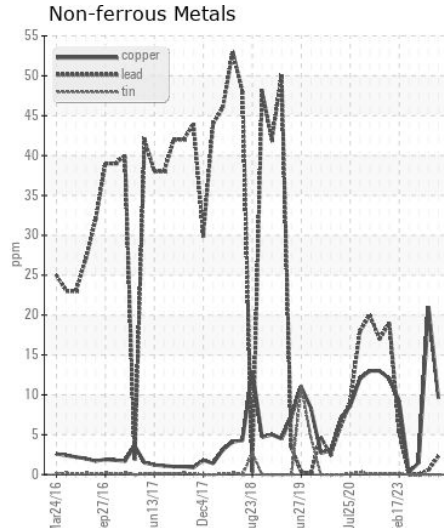
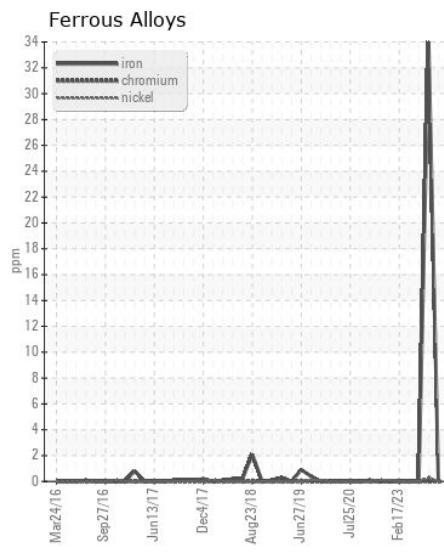
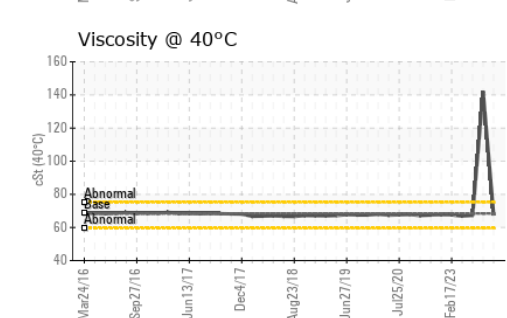
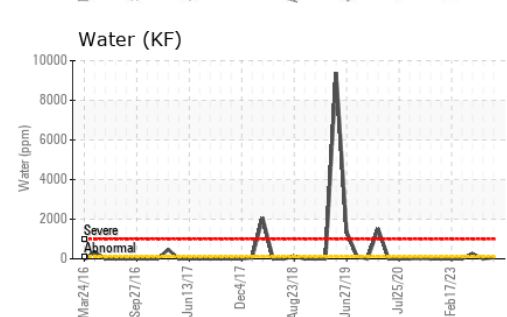
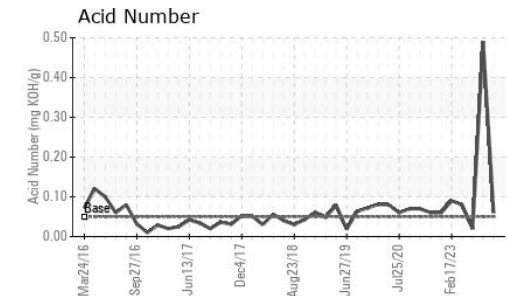
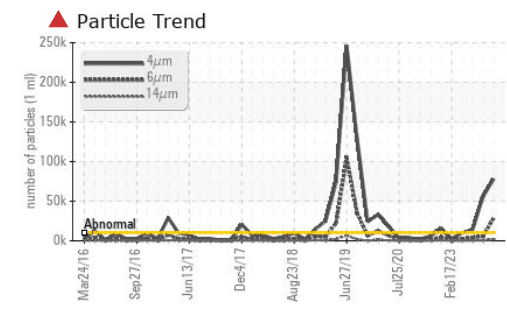
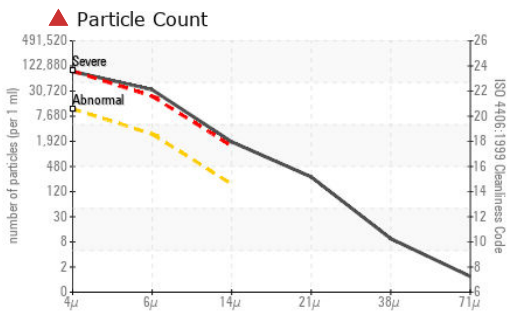
CONTAMINATION

There is a high amount of particulates (2 to 100 microns in size) present in the oil. The water content is negligible.

FLUID CONDITION

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0936459	WC0902147	WC0714827
Sample Date		Client Info		26 Apr 2024	25 Feb 2024	05 Jan 2024
Machine Age	hrs	Client Info		0	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				SEVERE	SEVERE	ABNORMAL
Iron	ppm	ASTM D5185(m)	>20	0	▲ 34	0
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	0	<1	0
Lead	ppm	ASTM D5185(m)	>20	2	<1	0
Copper	ppm	ASTM D5185(m)	>20	10	▲ 21	2
Tin	ppm	ASTM D5185(m)	>20	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
Silicon	ppm	ASTM D5185(m)	>15	0	4	0
Potassium	ppm	ASTM D5185(m)	>20	0	<1	0
Water	%	ASTM D6304*	>2	0.006	---	0.025
ppm Water	ppm	ASTM D6304*		63	---	251
Particles >4µm		ASTM D7647	>10000	▲ 78016	▲ 56187	● 13976
Particles >6µm		ASTM D7647	>2500	▲ 28627	▲ 5201	● 4217
Particles >14µm		ASTM D7647	>160	▲ 1633	▲ 457	● 313
Particles >21µm		ASTM D7647	>40	▲ 238	▲ 145	● 60
Particles >38µm		ASTM D7647	>10	8	11	3
Particles >71µm		ASTM D7647	>3	1	1	0
Oil Cleanliness		ISO 4406 (c)	>20/18/14	▲ 23/22/18	▲ 23/20/16	● 21/19/15
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	▲ WGOIL
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>2	.5%	NEG	.5%
Sodium	ppm	ASTM D5185(m)		0	1	0
Boron	ppm	ASTM D5185(m)	0.5	0	● 38	0
Barium	ppm	ASTM D5185(m)	0.0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0.0	0	0	0
Manganese	ppm	ASTM D5185(m)		0	<1	0
Magnesium	ppm	ASTM D5185(m)	0.0	0	<1	0
Calcium	ppm	ASTM D5185(m)	0.3	0	4	0
Phosphorus	ppm	ASTM D5185(m)	120	1	255	<1
Zinc	ppm	ASTM D5185(m)	0.0	2	8	1
Sulfur	ppm	ASTM D5185(m)	0	599	● 8353	576
Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	0.06	▲ 0.49	0.02
Visc @ 40°C	cSt	ASTM D7279(m)	68.4	67.5	▲ 142	67.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0936459 **Received** : 30 Apr 2024
Lab Number : 02632318 **Tested** : 01 May 2024
Unique Number : 5773471 **Diagnosed** : 01 May 2024 - Wes Davis
Test Package : IND 2 (Additional Tests: KF, TAN Man)

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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.