



PROBLEM SUMMARY

Sample Rating Trend

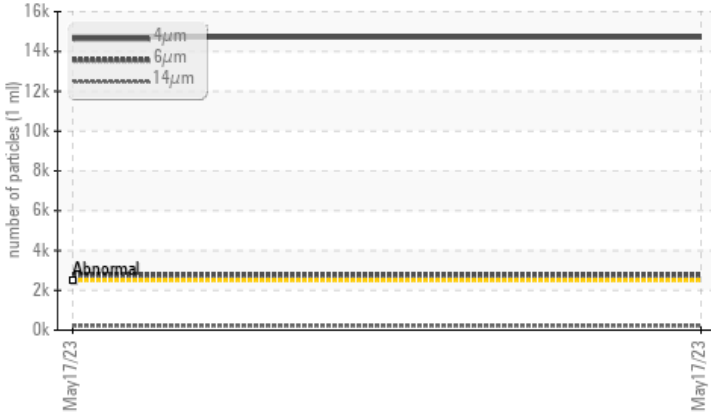
ISO



Area
CAMPBELLFORD PLANT 1
 Machine Id
G3 MIDDLE
 Component
Turbine
 Fluid
PETRO CANADA PURITY FG EP GEAR OIL 100 (40 LTR)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >4µm	ASTM D7647	>2500	▲ 14712	---	---
Particles >6µm	ASTM D7647	>640	▲ 2770	---	---
Particles >14µm	ASTM D7647	>80	▲ 217	---	---
Particles >21µm	ASTM D7647	>20	▲ 67	---	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	▲ 21/19/15	---	---

Customer Id: PET412PET
 Sample No.: WC0774042
 Lab Number: 02560146
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
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RECOMMENDED ACTIONS

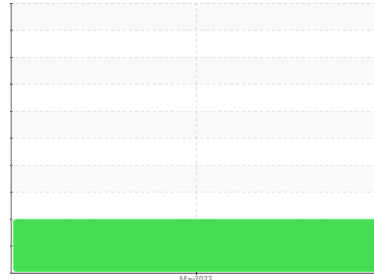
Action	Status	Date	Done By	Description
Change Filter	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Filter Fluid	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
CAMPBELLFORD PLANT 1
 Machine Id
G3 MIDDLE

Component
Turbine
 Fluid
PETRO CANADA PURITY FG EP GEAR OIL 100 (40 LTR)

DIAGNOSIS

SAMPLE INFORMATION		method	limit/base	current	history 1	history 2
Sample Number	Client Info			WC0774042	---	---
Sample Date	Client Info			17 May 2023	---	---
Machine Age	yrs	Client Info		60	---	---
Oil Age	yrs	Client Info		2	---	---
Oil Changed	Client Info			Not Changed	---	---
Sample Status				ABNORMAL	---	---

WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185(m)	>15	2	---	---
Chromium	ppm	ASTM D5185(m)	>4	0	---	---
Nickel	ppm	ASTM D5185(m)	>2	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	---	---
Lead	ppm	ASTM D5185(m)		19	---	---
Copper	ppm	ASTM D5185(m)	>5	<1	---	---
Tin	ppm	ASTM D5185(m)	>5	2	---	---
Antimony	ppm	ASTM D5185(m)		2	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Beryllium	ppm	ASTM D5185(m)		0	---	---
Cadmium	ppm	ASTM D5185(m)		0	---	---

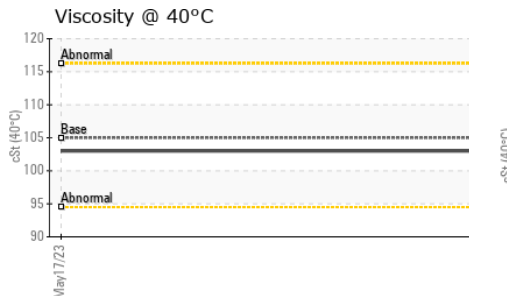
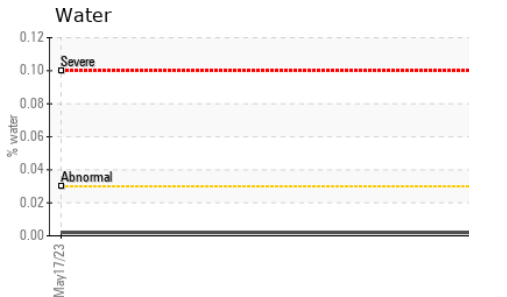
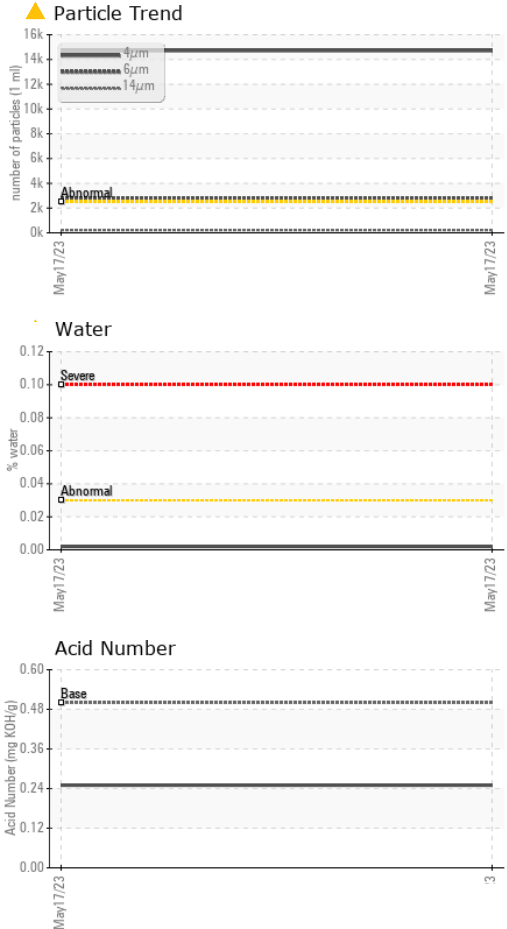
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185(m)		0	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		0	---	---
Calcium	ppm	ASTM D5185(m)		0	---	---
Phosphorus	ppm	ASTM D5185(m)	135	144	---	---
Zinc	ppm	ASTM D5185(m)		100	---	---
Sulfur	ppm	ASTM D5185(m)	660	649	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)	>15	0	---	---
Sodium	ppm	ASTM D5185(m)		<1	---	---
Potassium	ppm	ASTM D5185(m)	>20	0	---	---
Water	%	ASTM D6304*	>0.03	0.002	---	---
ppm Water	ppm	ASTM D6304*	>300	20.8	---	---

FLUID CLEANLINESS		method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647	>2500	▲ 14712	---	---
Particles >6µm		ASTM D7647	>640	▲ 2770	---	---
Particles >14µm		ASTM D7647	>80	▲ 217	---	---
Particles >21µm		ASTM D7647	>20	▲ 67	---	---
Particles >38µm		ASTM D7647	>4	2	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	▲ 21/19/15	---	---

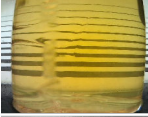



OIL ANALYSIS REPORT

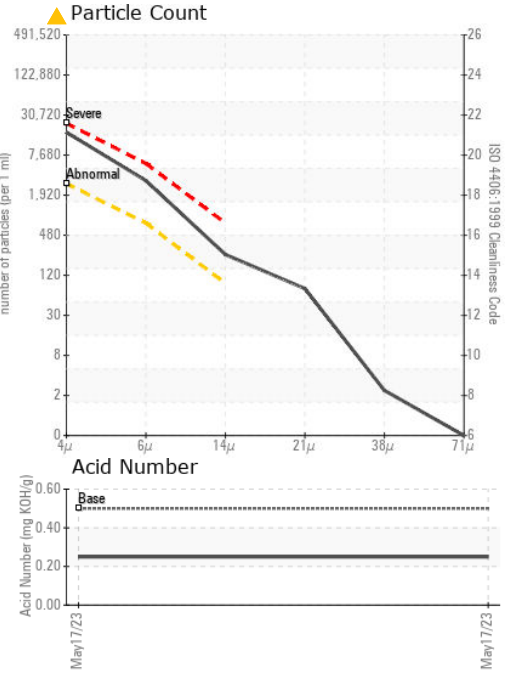
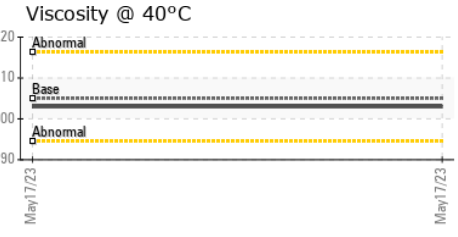
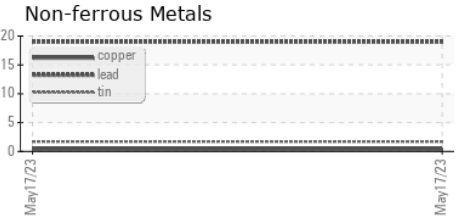
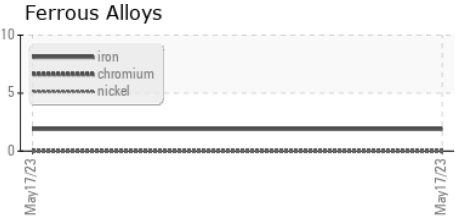


FLUID DEGRADATION		method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.50	0.25	---	---
VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.03	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D7279(m)	105.0	103	---	---

SAMPLE IMAGES		method	limit/base	current	history 1	history 2
Color					no image	no image
Bottom					no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0774042
Lab Number : 02560146
Unique Number : 5581186
Test Package : IND 2

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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.