



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id

EX0356

Component

Center Swing Drive

Fluid

PETRO CANADA TRAXON XL SYN BLEND 80W140 (7 LTR)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. (Customer Sample Comment: Might contain 85W140)

WEAR

Iron ppm levels are abnormal. A sharp increase in the iron level is noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

CONTAMINATION

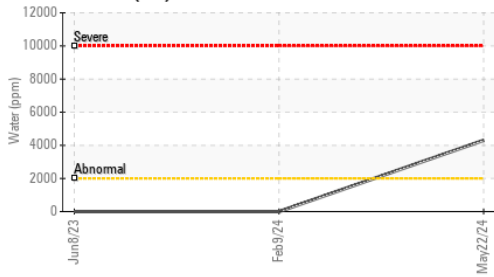
There is a moderate concentration of water present in the oil.

FLUID CONDITION

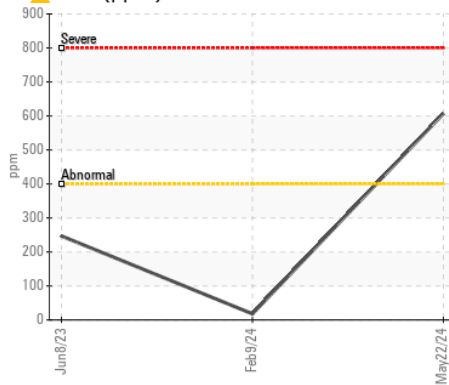
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0113434	GFL0092328	GFL0056445
Sample Date		Client Info		22 May 2024	09 Feb 2024	08 Jun 2023
Machine Age	hrs	Client Info		5728	5123	3797
Oil Age	hrs	Client Info		1500	1326	2000
Filter Age	hrs	Client Info		1500	500	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
PQ		ASTM D8184*		26	---	---
Iron	ppm	ASTM D5185(m)	>400	▲ 607	18	247
Chromium	ppm	ASTM D5185(m)	>10	6	0	3
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>50	<1	0	<1
Copper	ppm	ASTM D5185(m)	>200	44	1	7
Tin	ppm	ASTM D5185(m)	>10	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)	>50	13	2	10
Potassium	ppm	ASTM D5185(m)	>20	<1	1	0
Water	%	ASTM D6304*	>0.2	▲ 0.430	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 4303	---	---
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	VLITE	NONE
Appearance	scalar	Visual*	NORML	▲ MILKY	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	▲ .2%	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<1	<1	0
Boron	ppm	ASTM D5185(m)	246	144	● 2	198
Barium	ppm	ASTM D5185(m)	1	<1	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	<1
Manganese	ppm	ASTM D5185(m)		7	0	3
Magnesium	ppm	ASTM D5185(m)	1	<1	4	<1
Calcium	ppm	ASTM D5185(m)	2	6	9	0
Phosphorus	ppm	ASTM D5185(m)	976	1016	● 259	1248
Zinc	ppm	ASTM D5185(m)	3	41	● 165	6
Sulfur	ppm	ASTM D5185(m)	15600	19428	● 6726	22573
Visc @ 40°C	cSt	ASTM D7279(m)	253.0	282	▲ 42.3	325

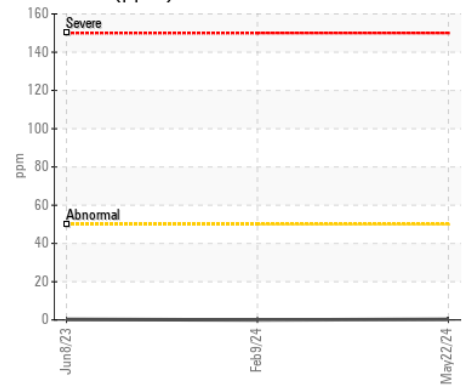
▲ Water (KF)



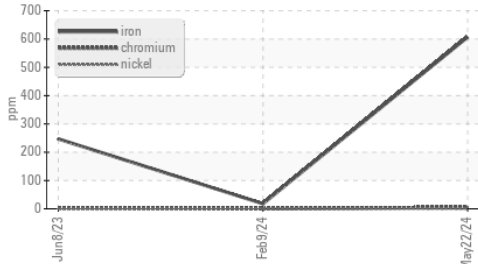
▲ Iron (ppm)



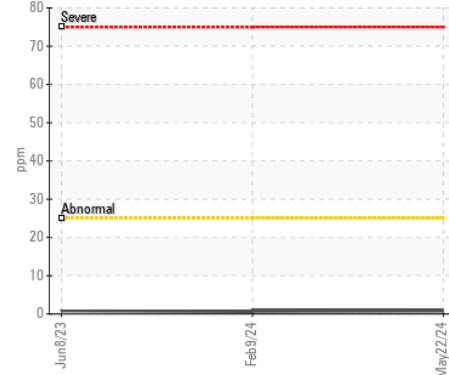
Lead (ppm)



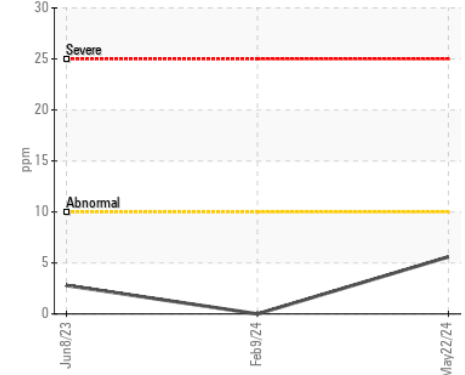
▲ Ferrous Alloys



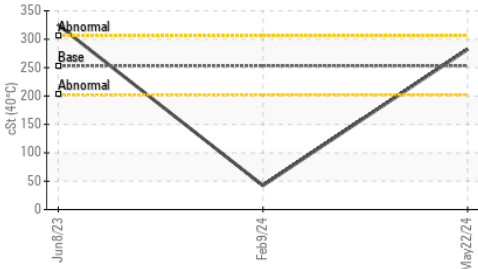
Aluminum (ppm)



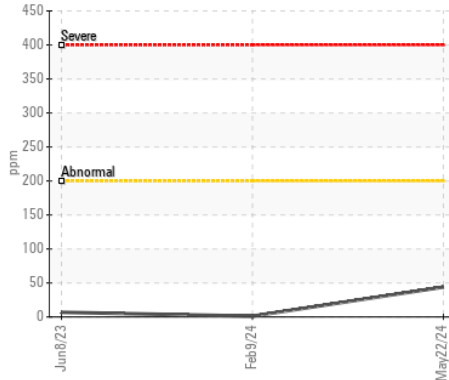
Chromium (ppm)



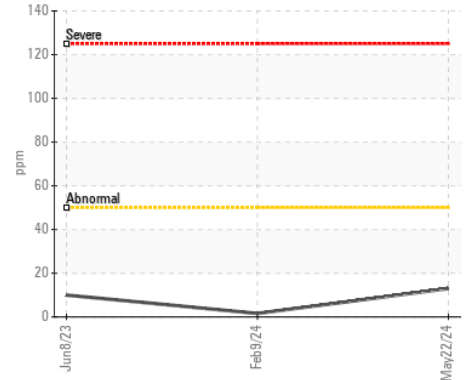
Viscosity @ 40°C



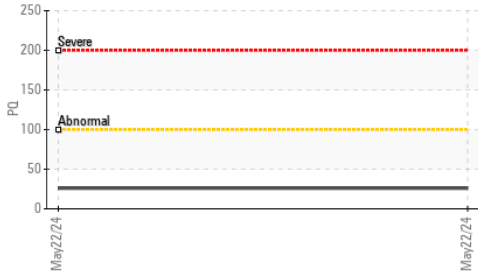
Copper (ppm)



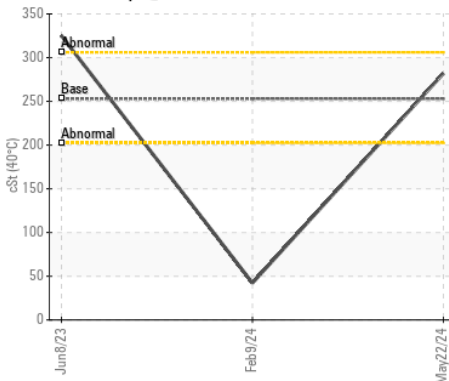
Silicon (ppm)



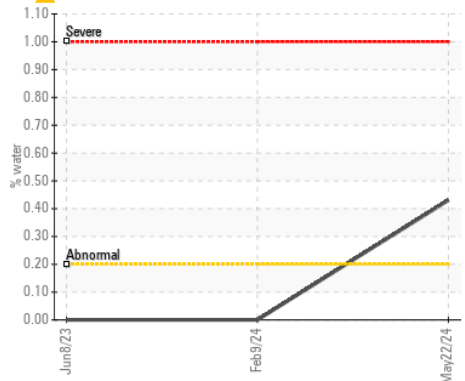
PQ



Viscosity @ 40°C



▲ Water



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113434
Lab Number : 02637243
Unique Number : 5786405
Test Package : MOB 1 (Additional Tests: KF, PQ)

GFL Environmental - 720 - Lafleche - Landfill
 17125 Lafleche Road,
 Moose Creek, ON
 CA K0C 1W0
 Contact: Charles Bergeron
 cbergeron@gflenv.com
 T: (613)538-4853
 F:

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.