



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
10 HARVESTVIEW AVE, CALEDON WASTE REGION OF PEEL U640761Y

Component
Left Diesel Engine

Fluid
ESSO XD-3 EXTRA 15W40 (10 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0006197	PN0004926	PN0003615
Sample Date		Client Info		25 Jun 2024	26 Jun 2023	23 Jun 2022
Machine Age	hrs	Client Info		394	380	366
Oil Age	hrs	Client Info		30	15	0
Filter Age	hrs	Client Info		30	15	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>250	2	1	2
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>35	1	2	2
Lead	ppm	ASTM D5185(m)	>100	0	1	<1
Copper	ppm	ASTM D5185(m)	>60	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>5	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

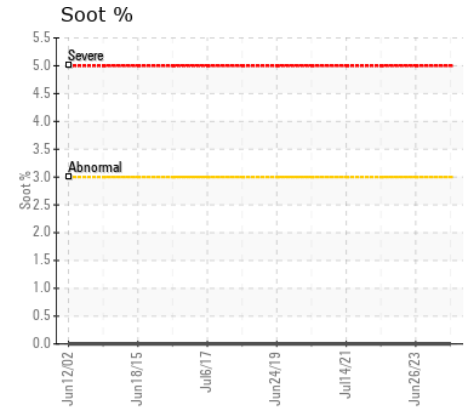
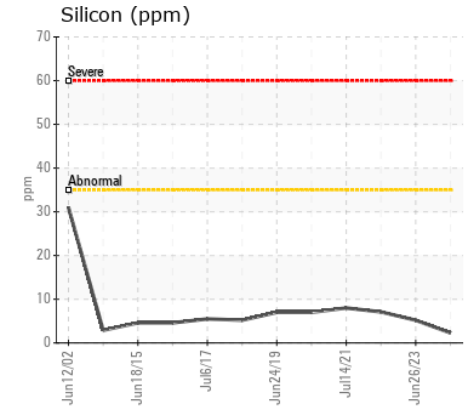
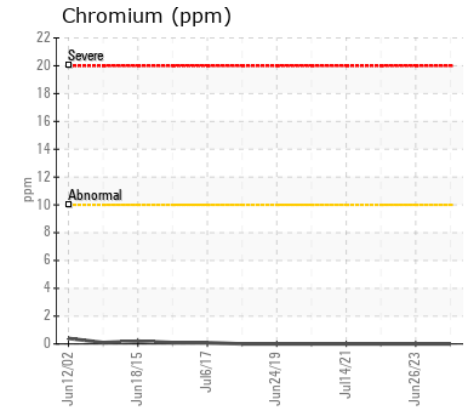
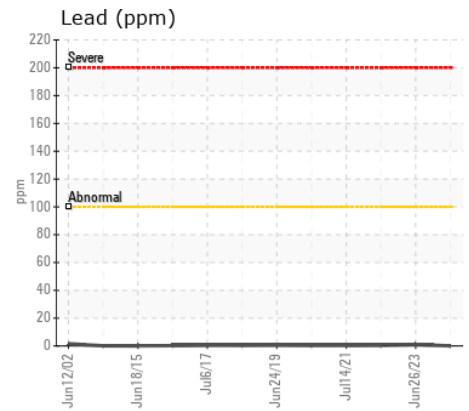
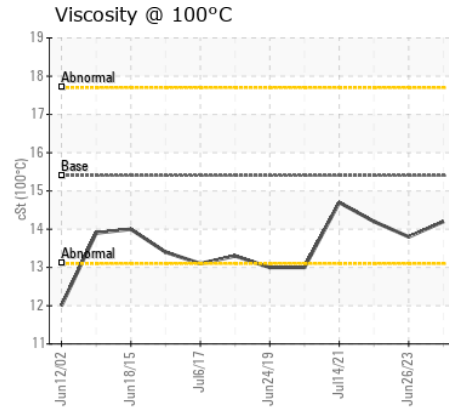
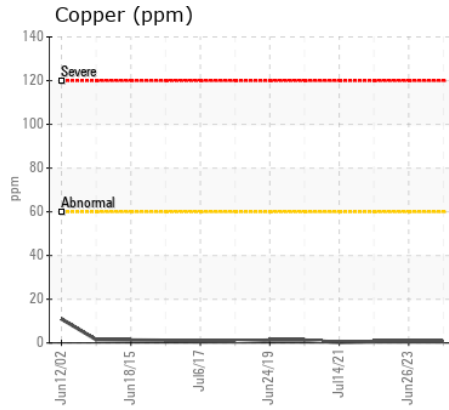
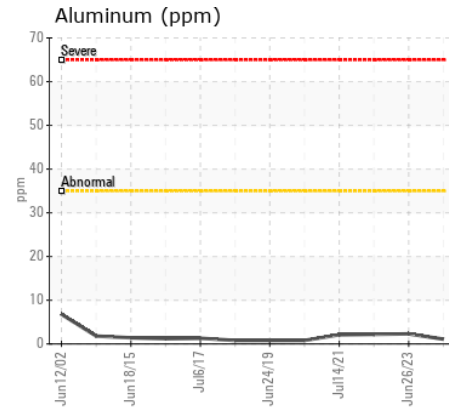
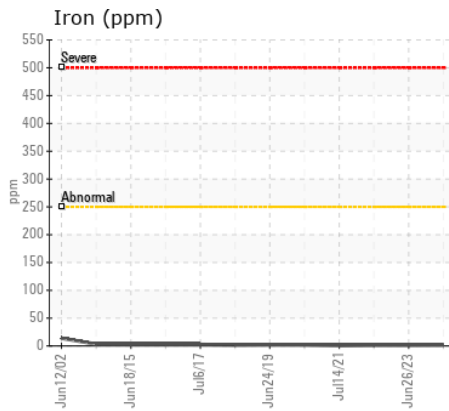
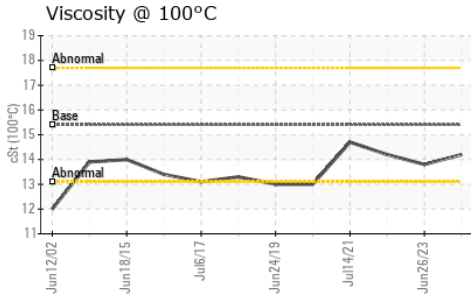
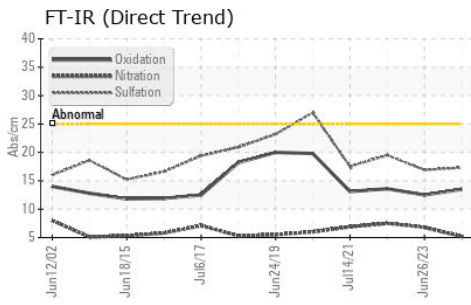
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	2	5	7
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	5.2	6.8	7.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.3	16.9	19.5
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>192	1	1	2
Boron	ppm	ASTM D5185(m)		21	70	74
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		46	23	84
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		680	72	20
Calcium	ppm	ASTM D5185(m)	3780	1305	2047	2218
Phosphorus	ppm	ASTM D5185(m)	1370	944	1047	1002
Zinc	ppm	ASTM D5185(m)	1500	1119	1118	1146
Sulfur	ppm	ASTM D5185(m)	3800	2661	3148	3278
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.5	12.5	13.6
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.2	13.8	14.2



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0006197
Lab Number : 02644494
Unique Number : 5802033
Test Package : MOB 1 (Additional Tests: Visual)

Received : 28 Jun 2024
Tested : 28 Jun 2024
Diagnosed : 28 Jun 2024 - Wes Davis

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.

POWER STATION INC.
 1050 JAYSON COURT
 MISSISSAUGA, ON
 CA L4W 2V5
 Contact: Ryan Udall
 rudall@pwrstn.com
 T: (905)565-1621
 F: (905)629-1499