



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[85570]

Machine Id

50 EGLINTON AVE E. TORONTO, UNIT 2 BELL CANADA 8VF047276

Component

Rear Diesel Engine

Fluid

ESSO XD-3 EXTRA SAE 40 (30 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0006023	PN0004746	PN0003329
Sample Date		Client Info		06 Apr 2024	14 Mar 2023	25 Nov 2020
Machine Age	mls	Client Info		558	540	516
Oil Age	mls	Client Info		18	0	18
Filter Age	mls	Client Info		18	0	18
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>200	2	3	4
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	0	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>30	0	<1	<1
Lead	ppm	ASTM D5185(m)	>30	0	<1	2
Copper	ppm	ASTM D5185(m)	>30	2	2	6
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

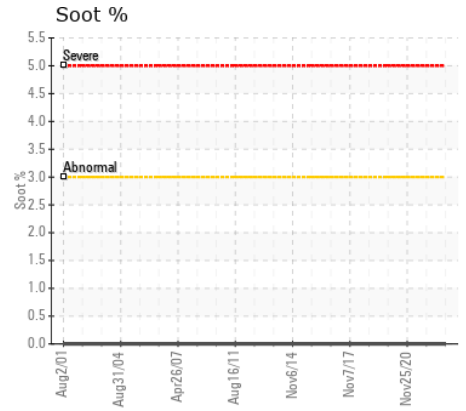
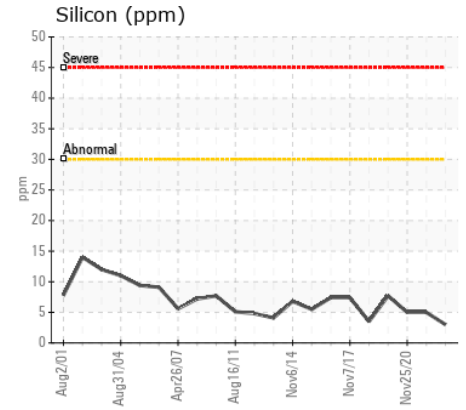
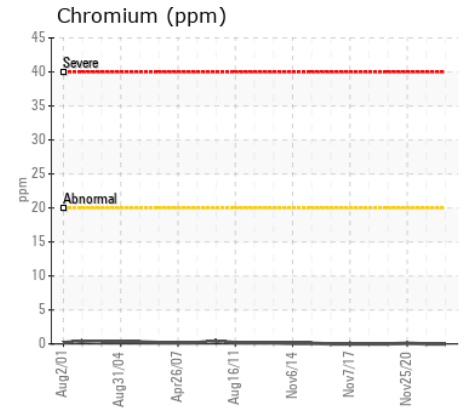
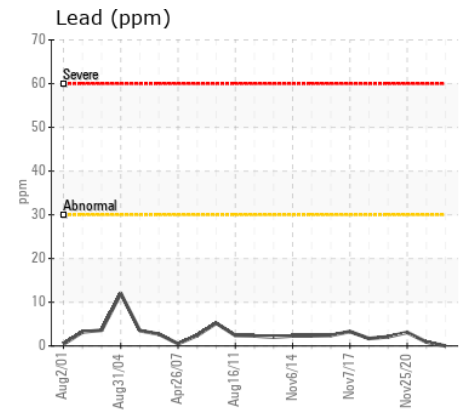
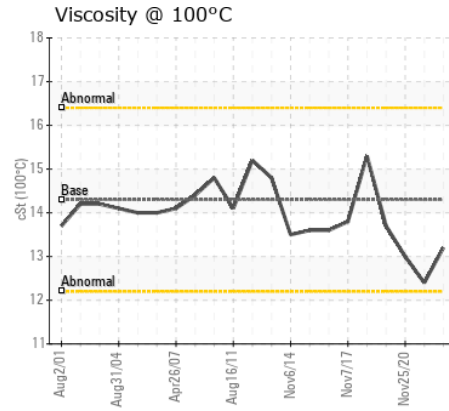
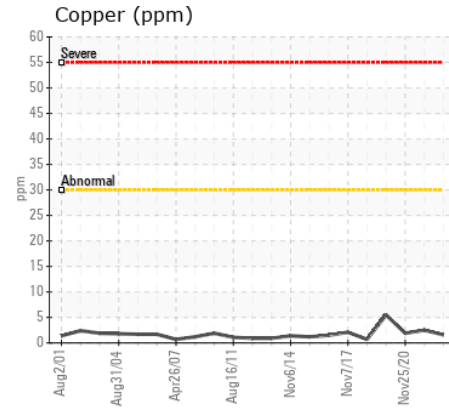
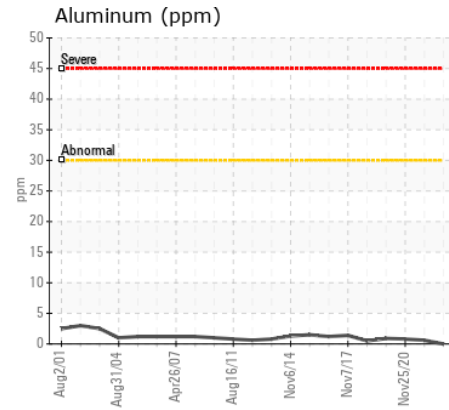
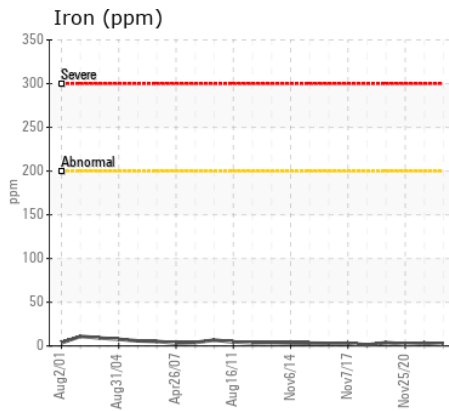
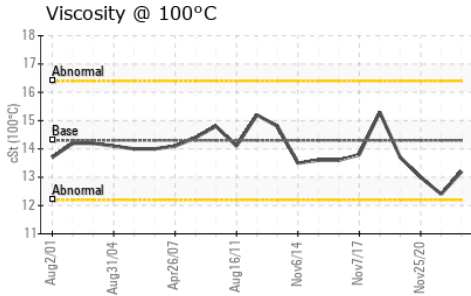
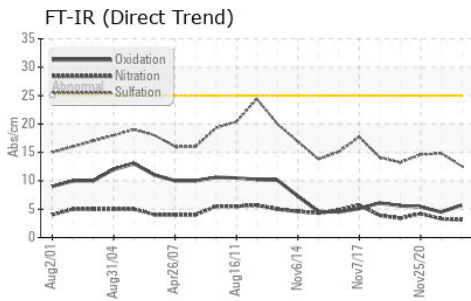
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	3	5	8
Potassium	ppm	ASTM D5185(m)	>20	0	<1	1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	0.0	▲ 0.01
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	3.1	3.3	4.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	12.6	14.8	14.6
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)		22	80	● 347
Boron	ppm	ASTM D5185(m)		3	12	7
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		2	10	4
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		702	68	43
Calcium	ppm	ASTM D5185(m)	2550	1643	3504	3197
Phosphorus	ppm	ASTM D5185(m)	1000	966	790	941
Zinc	ppm	ASTM D5185(m)	1120	1115	804	1045
Sulfur	ppm	ASTM D5185(m)		2551	2509	3139
Oxidation	Abs/.1mm	ASTM D7414*	>25	5.7	4.5	5.4
Visc @ 100°C	cSt	ASTM D7279(m)	14.3	13.2	12.4	13.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0006023
Lab Number : 02628411
Unique Number : 5761543
Test Package : MOB 1

Received : 12 Apr 2024
Tested : 12 Apr 2024
Diagnosed : 12 Apr 2024 - Wes Davis

POWER STATION INC.
 1050 JAYSON COURT
 MISSISSAUGA, ON
 CA L4W 2V5
 Contact: Brett Kinkley
 Bkinkley@pwrstn.com

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.

T:
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