



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[83704]
 Machine Id
90 STONE ST GANANOQUE BELL CANADA U898770F
 Component
Rear 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		PN0005675	PN915767	PN908227
Sample Date		Client Info		16 Jan 2024	14 May 2014	12 Nov 2013
Machine Age	hrs	Client Info		1075	823	822
Oil Age	hrs	Client Info		0	1	0
Filter Age	hrs	Client Info		0	1	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>250	14	2	4
Chromium	ppm	ASTM D5185(m)	>10	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>35	2	<1	1
Lead	ppm	ASTM D5185(m)	>100	2	0	0
Copper	ppm	ASTM D5185(m)	>60	15	<1	2
Tin	ppm	ASTM D5185(m)	>5	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

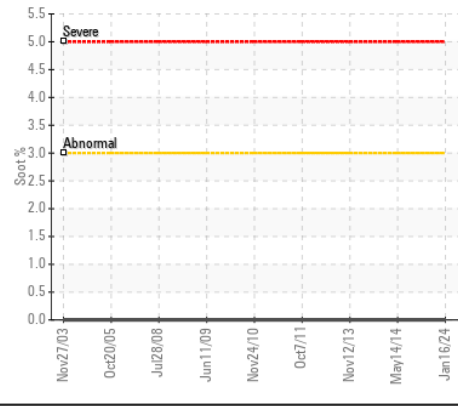
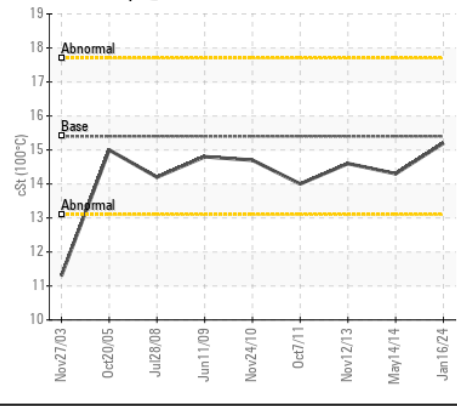
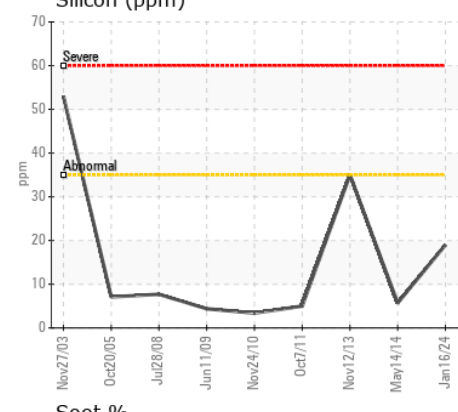
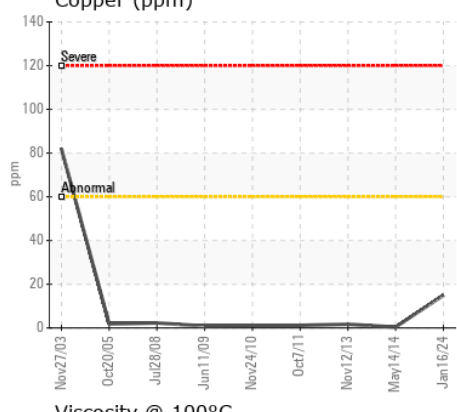
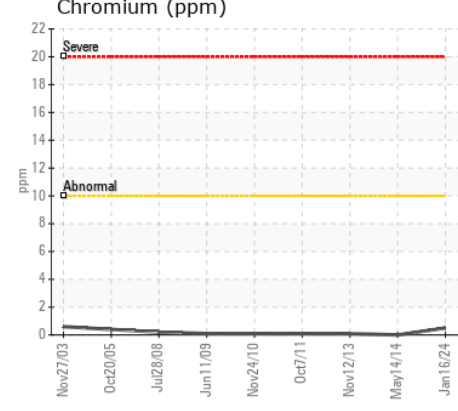
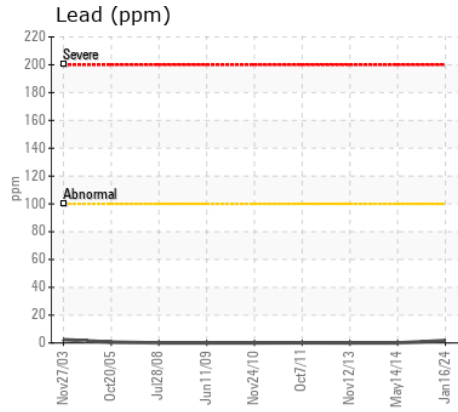
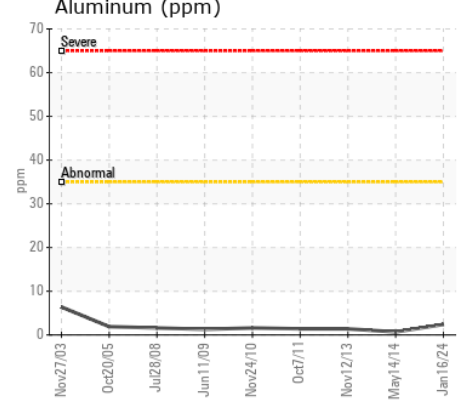
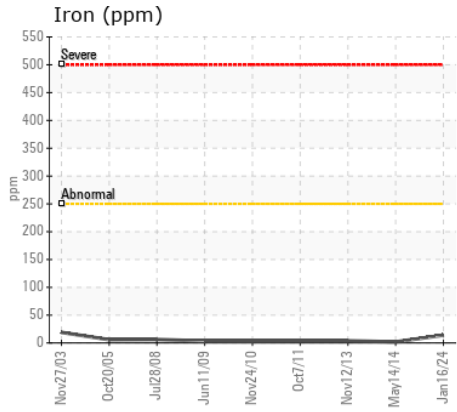
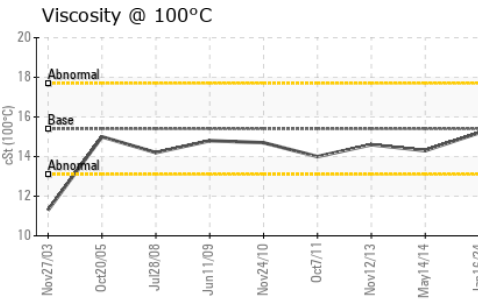
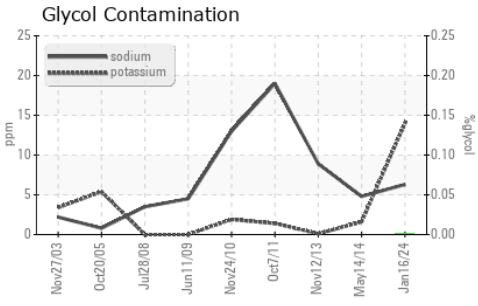
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	19	6	35
Potassium	ppm	ASTM D5185(m)	>20	14	2	<1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	9.7	5.6	6.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.1	17.2	20.3
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	6	5	9
Boron	ppm	ASTM D5185(m)		29	20	3
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		39	37	35
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		833	723	601
Calcium	ppm	ASTM D5185(m)	3780	1680	1287	1635
Phosphorus	ppm	ASTM D5185(m)	1370	989	991	1076
Zinc	ppm	ASTM D5185(m)	1500	1217	1248	1260
Sulfur	ppm	ASTM D5185(m)	3800	2961	3362	3469
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.6	12.0	14.9
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	15.2	14.3	14.6



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005675 **Received** : 19 Jan 2024
Lab Number : 02609881 **Diagnosed** : 19 Jan 2024
Unique Number : 5710967 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol)

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

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.