



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
30 BOND ST. TORONTO ST.MICHAELS HOSPITAL HC1734E1
 Component
Rear Diesel Engine
 Fluid
ESSO XD-3 EXTRA 15W40 (130 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0006118	PN0004654	PN0003515
Sample Date		Client Info		22 May 2024	09 May 2023	17 May 2022
Machine Age	hrs	Client Info		289	272	248
Oil Age	hrs	Client Info		272	24	22
Filter Age	hrs	Client Info		272	24	22
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Chngd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>90	1	1	1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	0	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	1	2
Lead	ppm	ASTM D5185(m)	>40	0	0	<1
Copper	ppm	ASTM D5185(m)	>330	0	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

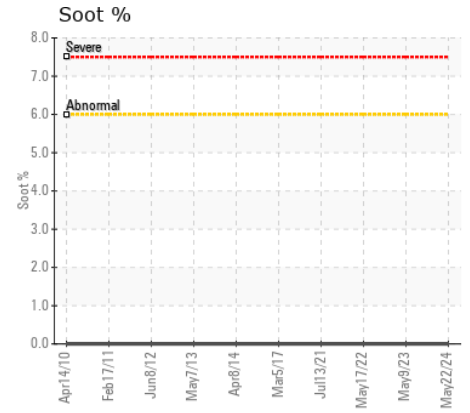
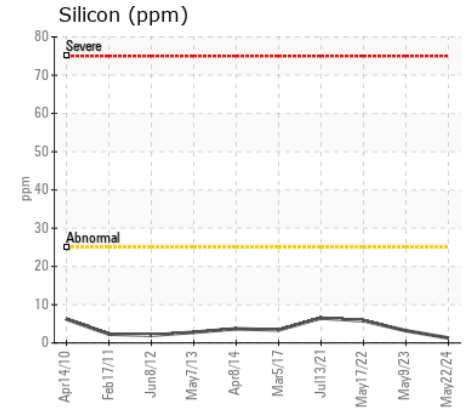
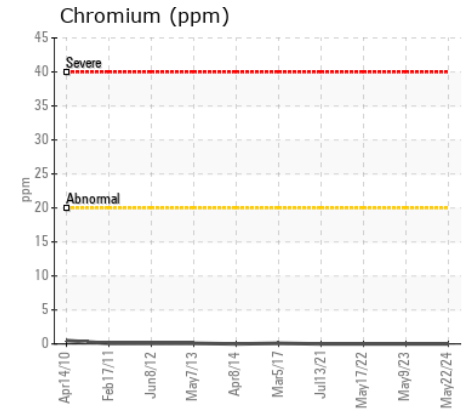
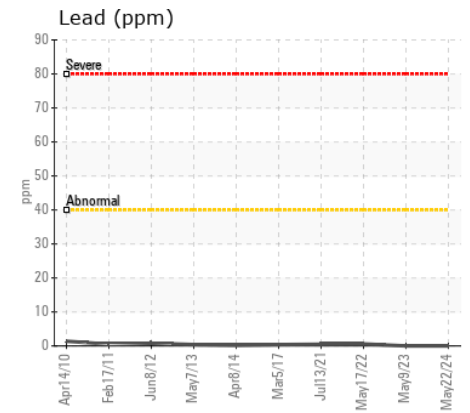
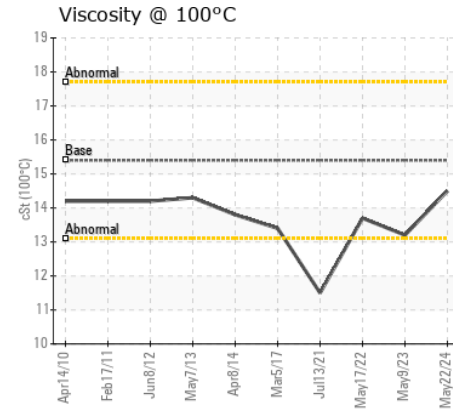
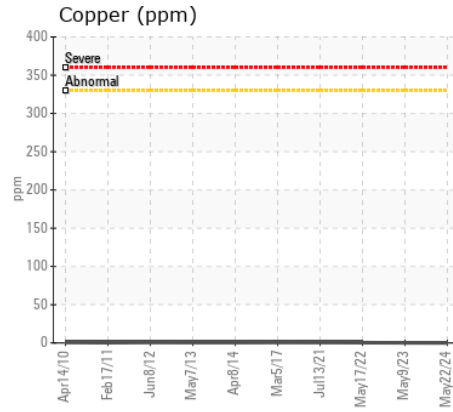
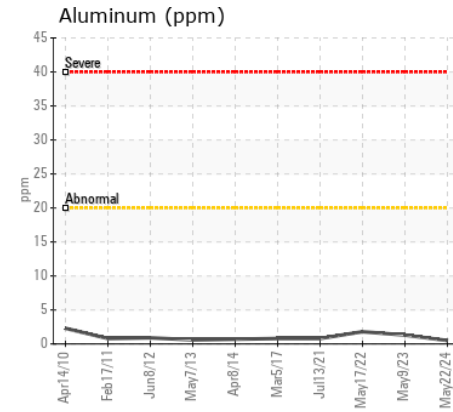
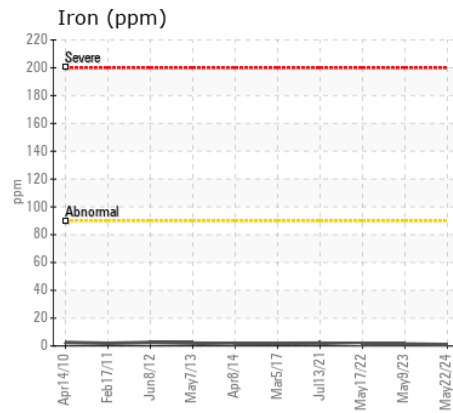
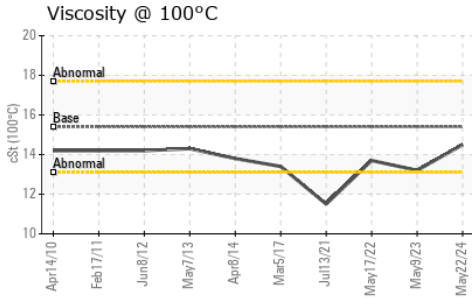
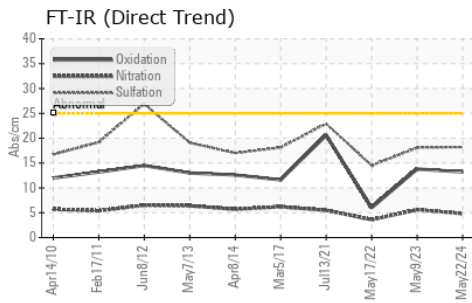
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	1	3	6
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	NEG	NEG
Soot %	%	ASTM D7844*	>6	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	4.8	5.6	3.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.2	18.1	14.5
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)		9	39	73
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		59	62	77
Manganese	ppm	ASTM D5185(m)		0	<1	0
Magnesium	ppm	ASTM D5185(m)		913	554	101
Calcium	ppm	ASTM D5185(m)	3780	1137	1555	2060
Phosphorus	ppm	ASTM D5185(m)	1370	1042	1031	1051
Zinc	ppm	ASTM D5185(m)	1500	1174	1072	1135
Sulfur	ppm	ASTM D5185(m)	3800	2652	2750	3111
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.2	13.8	6.0
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.5	13.2	13.7



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0006118
Lab Number : 02638818
Unique Number : 5787980
Test Package : MOB 1
Received : 30 May 2024
Tested : 30 May 2024
Diagnosed : 30 May 2024 - Wes Davis

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.