



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
OE
 Component
Diesel Engine
 Fluid
SAE 5W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0082036	---	---
Sample Date		Client Info		11 Dec 2023	---	---
Machine Age	hrs	Client Info		4911	---	---
Oil Age	hrs	Client Info		250	---	---
Filter Age	hrs	Client Info		250	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>51	11	---	---
Chromium	ppm	ASTM D5185(m)	>11	<1	---	---
Nickel	ppm	ASTM D5185(m)	>5	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>31	2	---	---
Lead	ppm	ASTM D5185(m)	>26	0	---	---
Copper	ppm	ASTM D5185(m)	>26	7	---	---
Tin	ppm	ASTM D5185(m)	>4	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

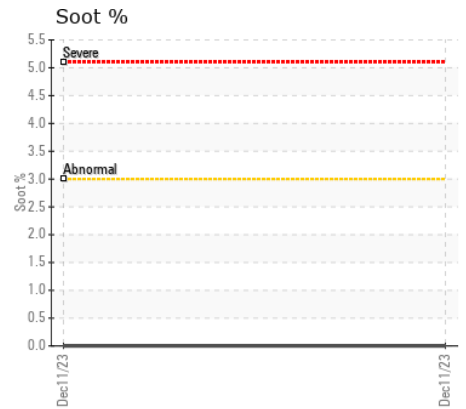
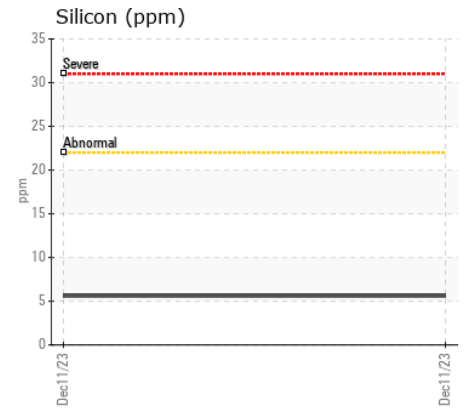
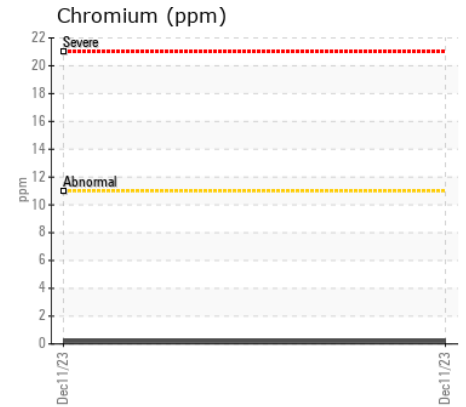
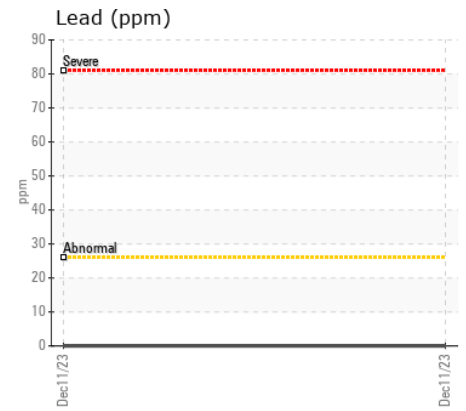
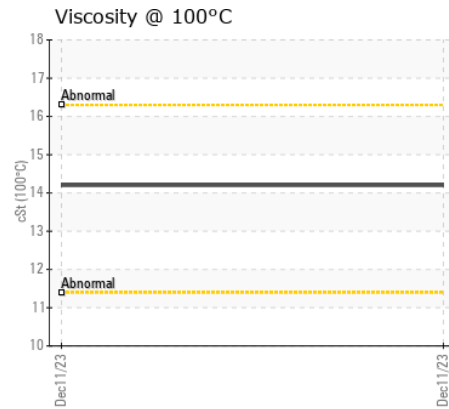
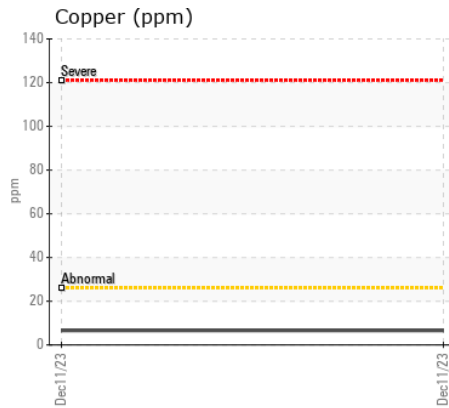
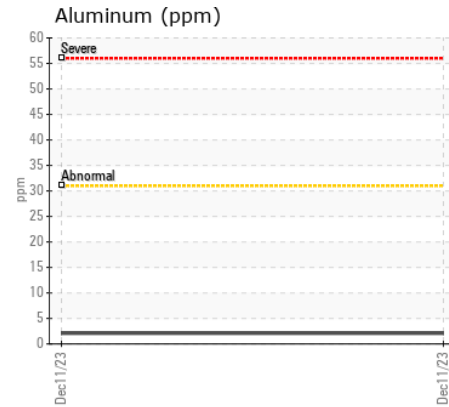
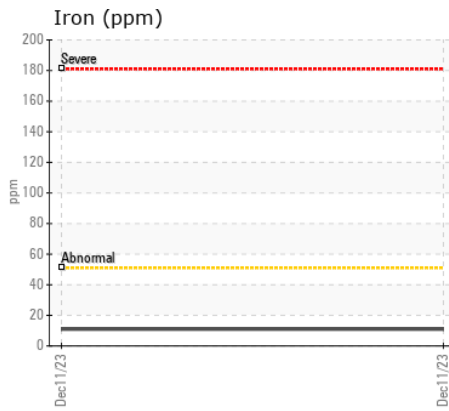
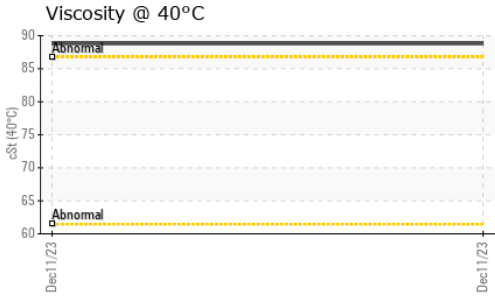
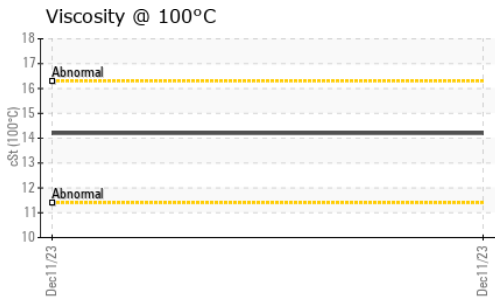
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	6	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Fuel		WC Method	>2.1	<1.0	---	---
Water		WC Method	>0.21	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	10.1	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.0	---	---
Emulsified Water	scalar	Visual*	>0.21	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		5	---	---
Boron	ppm	ASTM D5185(m)		37	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		56	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		1074	---	---
Calcium	ppm	ASTM D5185(m)		875	---	---
Phosphorus	ppm	ASTM D5185(m)		1005	---	---
Zinc	ppm	ASTM D5185(m)		1207	---	---
Sulfur	ppm	ASTM D5185(m)		2880	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.5	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		88.8	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		14.2	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		165	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Green Infrastructure and Partners Inc (GPI) - 286 - Shoring & Foundations
Sample No. : PC0082036 **Received** : 10 Jan 2024 151 Ram Forest Rd,
Lab Number : 02607725 **Diagnosed** : 11 Jan 2024 Stouffville, ON
Unique Number : 5708811 **Diagnostician** : Wes Davis CA L4A 2G8
Test Package : MOB 1 (Additional Tests: KV40, VI) Contact: Shannon Abbott
 sabbott@gipi.com
 T: (905)750-5900
 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.