



# VOLVO PENTA

## OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**IAN PORTER [SAM]**  
Machine Id  
**VOLVO PENTA 3194007844**  
Component  
**Port IPS**  
Fluid  
**GEAR OIL SAE 75W90 (--- GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### WEAR

The iron level is abnormal. All other component wear rates are normal.

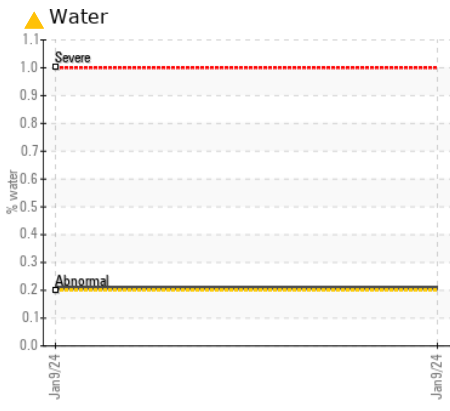
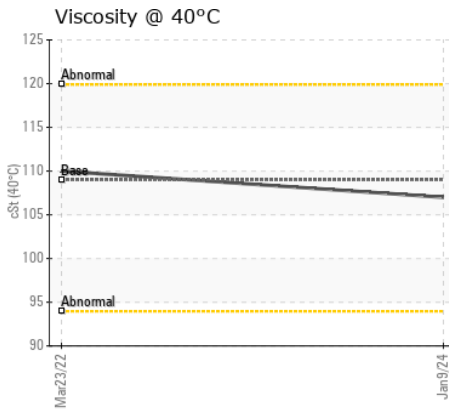
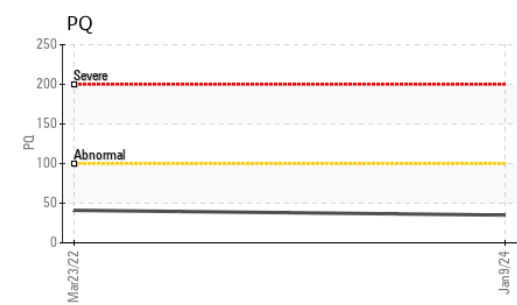
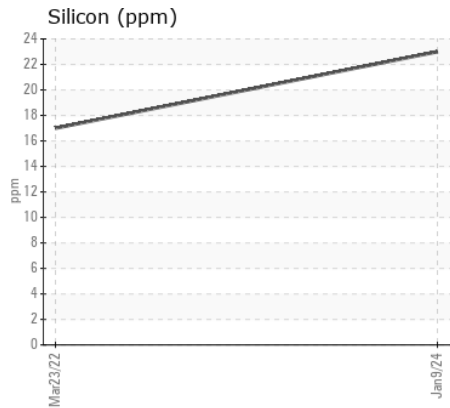
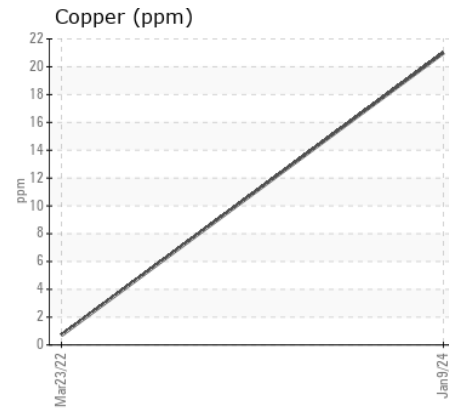
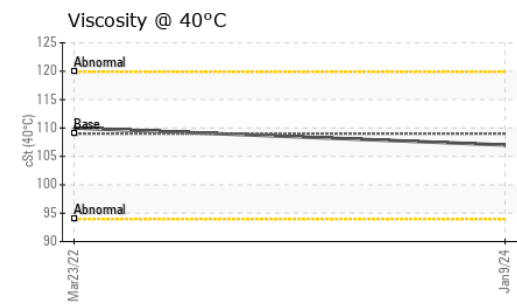
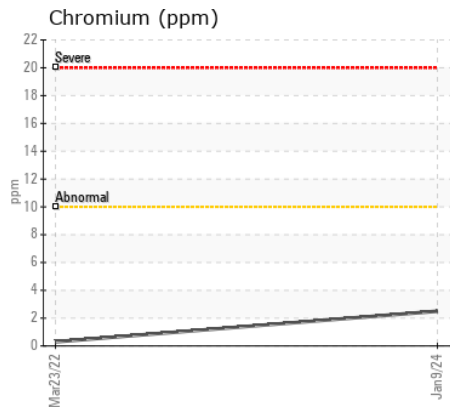
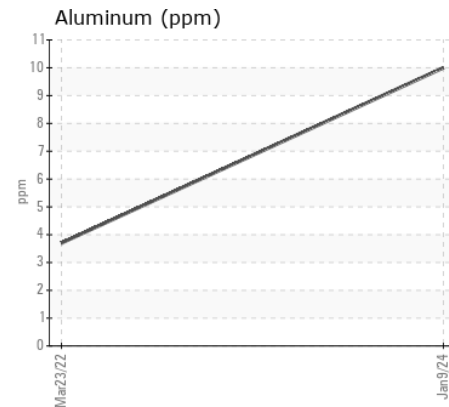
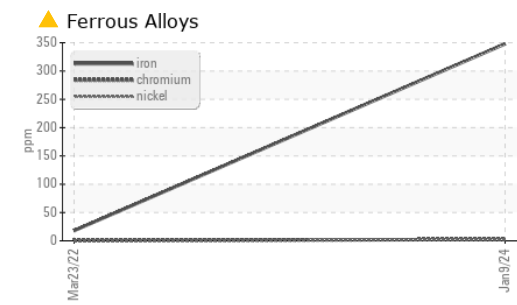
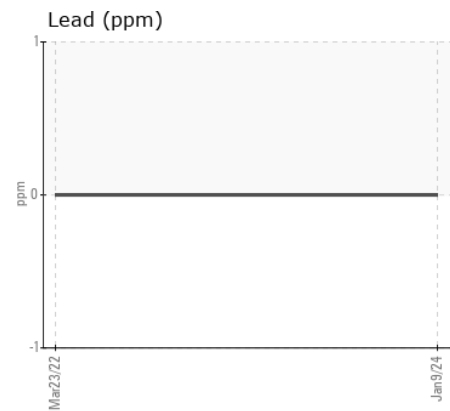
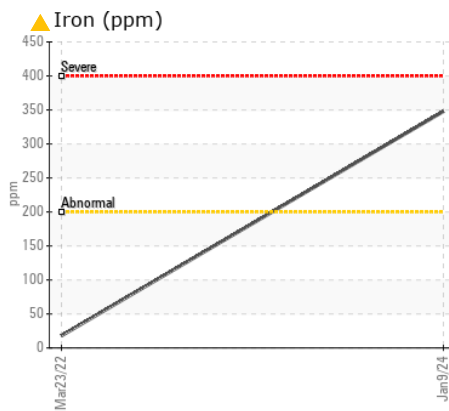
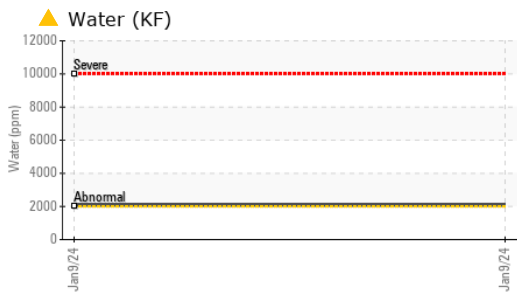
### CONTAMINATION

There is a light concentration of water present in the oil.

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VPA059131</b>	VPA048323	---
Sample Date		Client Info		<b>09 Jan 2024</b>	23 Mar 2022	---
Machine Age	hrs	Client Info		<b>1033</b>	856	---
Oil Age	hrs	Client Info		<b>177</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	N/A	---
Filter Changed		Client Info		<b>Changed</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---
PQ		ASTM D8184		<b>35</b>	41	---
Iron	ppm	ASTM D5185m	>200	<b>▲ 348</b>	18	---
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m		<b>10</b>	4	---
Lead	ppm	ASTM D5185m		<b>0</b>	0	---
Copper	ppm	ASTM D5185m		<b>21</b>	<1	---
Tin	ppm	ASTM D5185m		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185m		<b>23</b>	17	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Water	%	ASTM D6304	>0.2	<b>▲ 0.208</b>	---	---
ppm Water	ppm	ASTM D6304	>2000	<b>▲ 2080</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>0.2%</b>	NEG	---
Sodium	ppm	ASTM D5185m		<b>9</b>	<1	---
Boron	ppm	ASTM D5185m	400	<b>252</b>	299	---
Barium	ppm	ASTM D5185m	200	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	12	<b>2</b>	2	---
Manganese	ppm	ASTM D5185m		<b>5</b>	<1	---
Magnesium	ppm	ASTM D5185m	12	<b>6</b>	<1	---
Calcium	ppm	ASTM D5185m	150	<b>6</b>	10	---
Phosphorus	ppm	ASTM D5185m	1650	<b>1304</b>	1361	---
Zinc	ppm	ASTM D5185m	125	<b>&lt;1</b>	0	---
Sulfur	ppm	ASTM D5185m	22500	<b>25148</b>	20616	---
Visc @ 40°C	cSt	ASTM D445	109	<b>107</b>	110	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VPA059131 **Received** : 18 Jan 2024  
**Lab Number** : 06065179 **Diagnosed** : 22 Jan 2024  
**Unique Number** : 10836561 **Diagnostician** : Sean Felton  
**Test Package** : MOB 1 ( Additional Tests: KF, PQ )

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Certificate L2367  
 To discuss this sample report, contact Customer Service at 1-800-237-1369.  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)