



VOLVO PENTA

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
SURVEY BAKER [SCHRIER RANTA]
Machine Id
VOLVO PENTA 3940023659
Component
Port IPS
Fluid
GEAR OIL SAE 75W90 (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA057266	VPA044338	---
Sample Date		Client Info		28 Feb 2024	29 Jan 2024	---
Machine Age	hrs	Client Info		576	566	---
Oil Age	hrs	Client Info		10	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		13	25	---
Iron	ppm	ASTM D5185m	>200	39	▲ 300	---
Chromium	ppm	ASTM D5185m	>10	<1	2	---
Nickel	ppm	ASTM D5185m	>10	<1	3	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		3	0	---
Aluminum	ppm	ASTM D5185m		<1	2	---
Lead	ppm	ASTM D5185m		0	0	---
Copper	ppm	ASTM D5185m		4	25	---
Tin	ppm	ASTM D5185m		0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

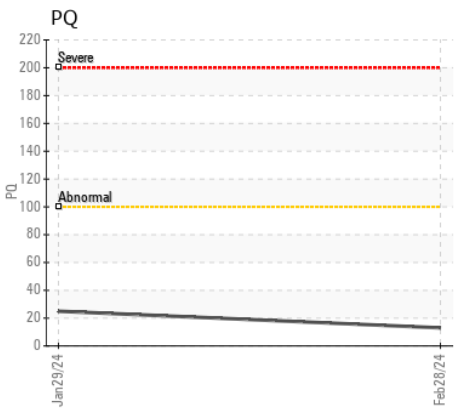
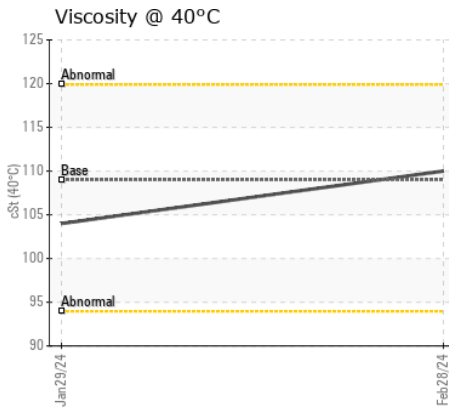
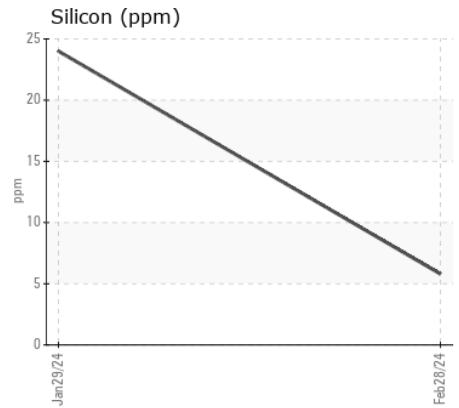
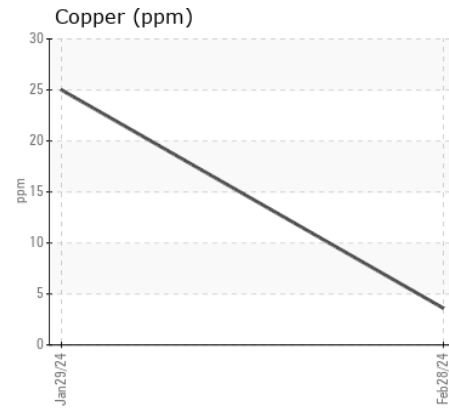
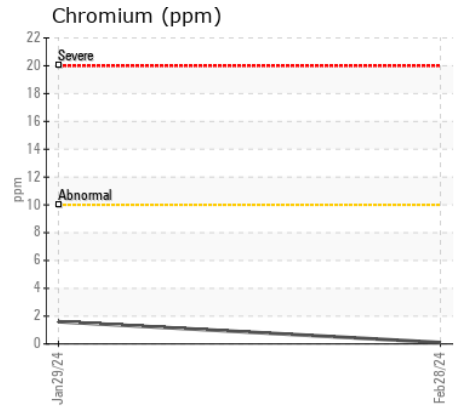
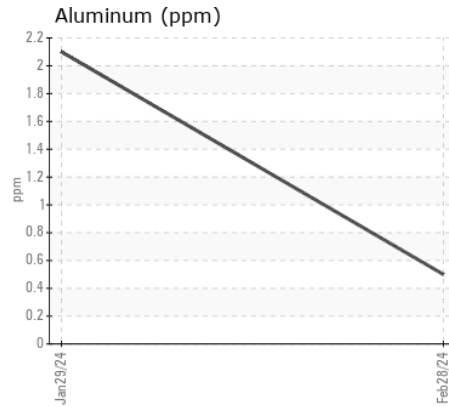
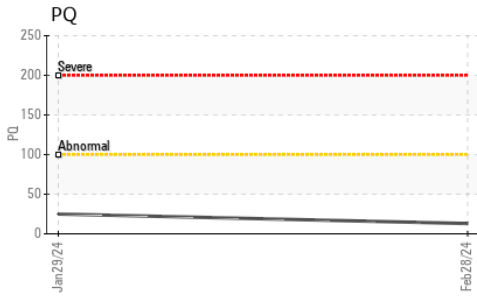
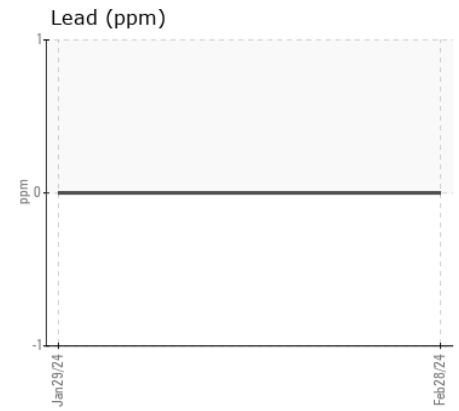
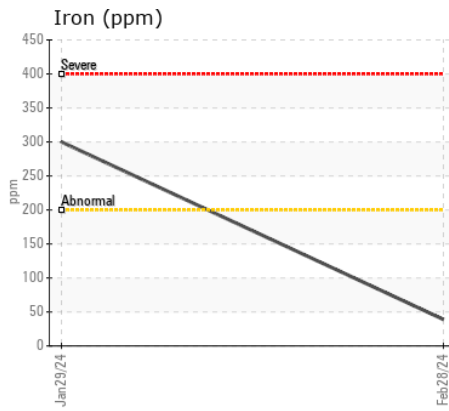
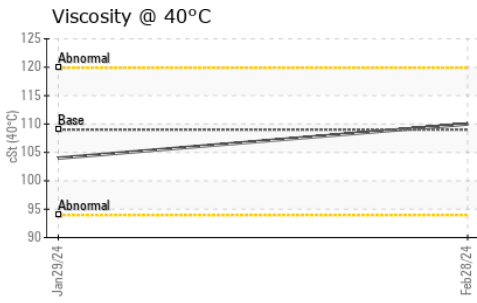
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		6	24	---
Potassium	ppm	ASTM D5185m	>20	0	2	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	0.2%	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	15	---
Boron	ppm	ASTM D5185m	400	294	230	---
Barium	ppm	ASTM D5185m	200	0	<1	---
Molybdenum	ppm	ASTM D5185m	12	0	<1	---
Manganese	ppm	ASTM D5185m		1	6	---
Magnesium	ppm	ASTM D5185m	12	4	18	---
Calcium	ppm	ASTM D5185m	150	4	12	---
Phosphorus	ppm	ASTM D5185m	1650	1361	1371	---
Zinc	ppm	ASTM D5185m	125	5	15	---
Sulfur	ppm	ASTM D5185m	22500	21579	26813	---
Visc @ 40°C	cSt	ASTM D445	109	110	104	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VPA057266 **Received** : 29 Feb 2024
Lab Number : 06104624 **Tested** : 01 Mar 2024
Unique Number : 10902854 **Diagnosed** : 04 Mar 2024 - Don Baldrige
Test Package : MOB 1 (Additional Tests: PQ)

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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)