



VOLVO PENTA

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
ASTLE [NICK/23526]

Machine Id
VOLVO PENTA 3200000816

Component
Port IPS

Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA051675	VPA048354	---
Sample Date		Client Info		10 Jun 2024	25 Mar 2022	---
Machine Age	hrs	Client Info		0	197	---
Oil Age	hrs	Client Info		0	197	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		16	18	---
Iron	ppm	ASTM D5185m	>275	47	33	---
Chromium	ppm	ASTM D5185m	>4	<1	0	---
Nickel	ppm	ASTM D5185m	>4	2	1	---
Titanium	ppm	ASTM D5185m	>3	<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	3	3	---
Lead	ppm	ASTM D5185m	>4	<1	0	---
Copper	ppm	ASTM D5185m	>30	17	18	---
Tin	ppm	ASTM D5185m	>3	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

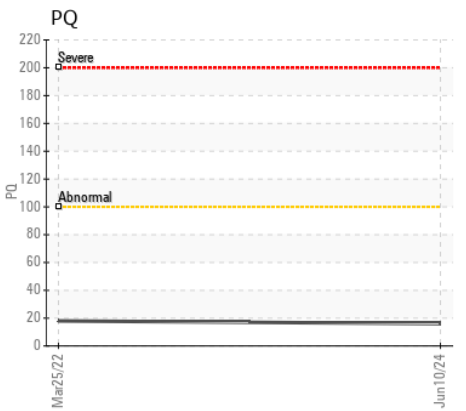
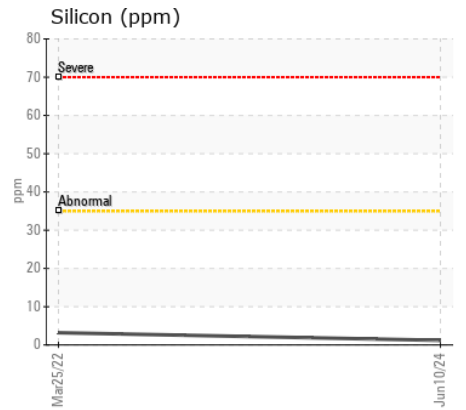
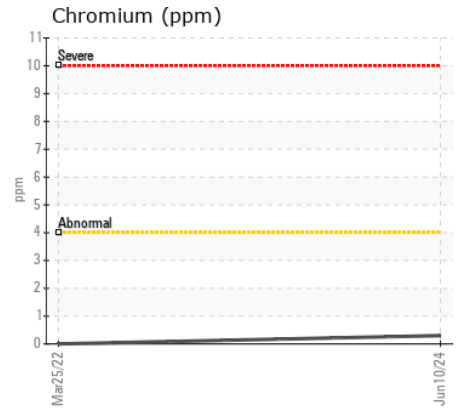
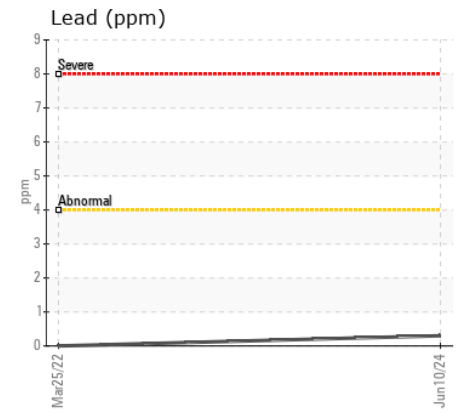
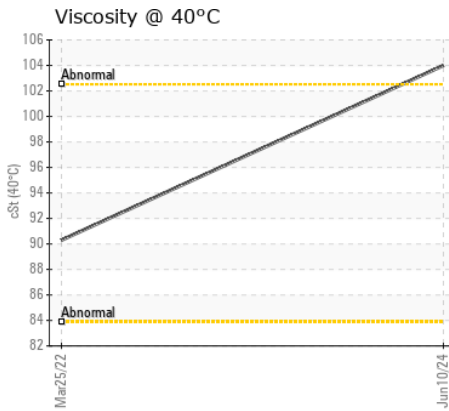
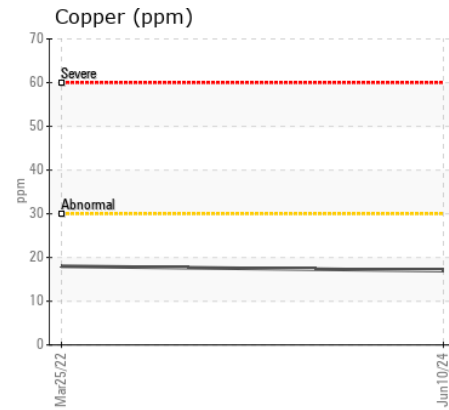
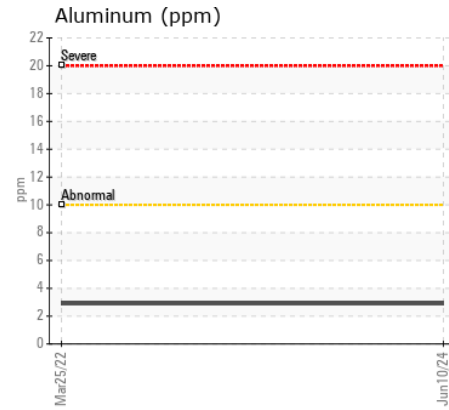
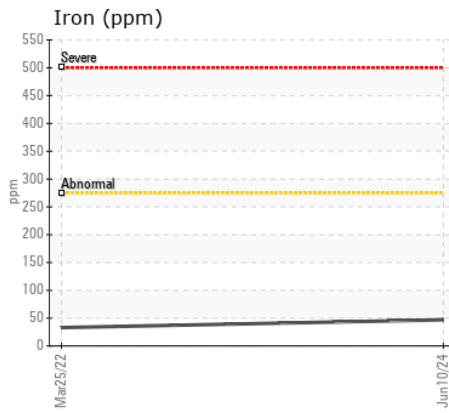
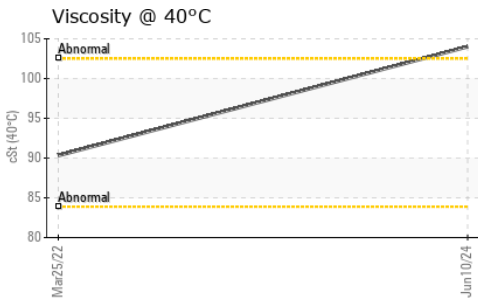
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	1	3	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
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	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		8	3	---
Boron	ppm	ASTM D5185m		306	500	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m		4	875	---
Calcium	ppm	ASTM D5185m		0	43	---
Phosphorus	ppm	ASTM D5185m		1418	1561	---
Zinc	ppm	ASTM D5185m		25	5	---
Sulfur	ppm	ASTM D5185m		26224	18615	---
Visc @ 40°C	cSt	ASTM D445		104	90.3	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VPA051675 **Received** : 27 Jun 2024
Lab Number : 06222588 **Tested** : 28 Jun 2024
Unique Number : 11100785 **Diagnosed** : 29 Jun 2024 - Don Baldrige
Test Package : MOB 1 (Additional Tests: PQ)

Seven Seas Yacht Services LLC
 1804 CRAB ALLEY DR
 CHESTER, MD
 US 21619
 Contact: Stephanie Wright
 stephanie@sevenseasys.com

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)

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F: