



VOLVO PENTA

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
LISA MCCONNACHICE [PATRICK/503056-8750]

Machine Id
VOLVO PENTA 20256426 - INBOARD

Component
Inboard Gearbox

Fluid
VALVOLINE DEXRON III/MERCON ATF (4 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA061881	VPA048633	---
Sample Date		Client Info		21 May 2024	15 May 2023	---
Machine Age	hrs	Client Info		483	414	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		11	19	---
Iron	ppm	ASTM D5185m	>150	6	4	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>5	2	<1	---
Lead	ppm	ASTM D5185m	>65	6	3	---
Copper	ppm	ASTM D5185m	>80	11	5	---
Tin	ppm	ASTM D5185m	>8	1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

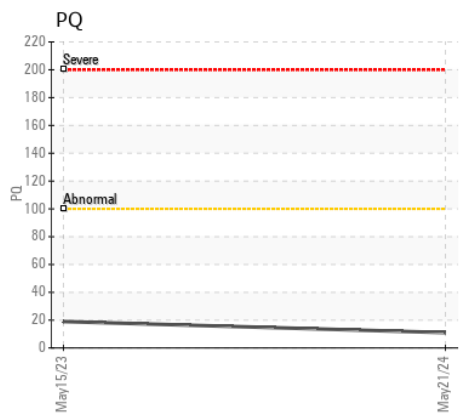
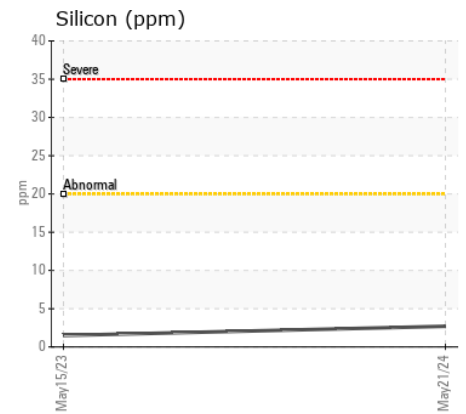
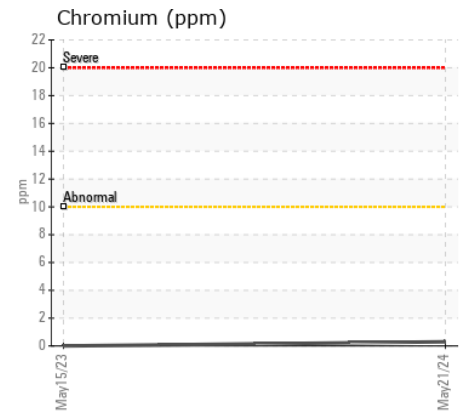
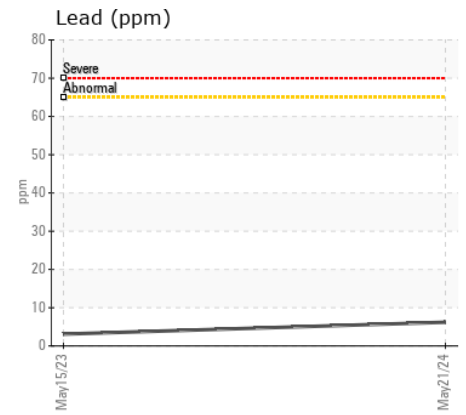
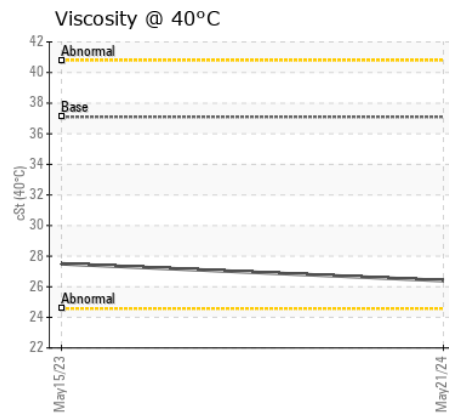
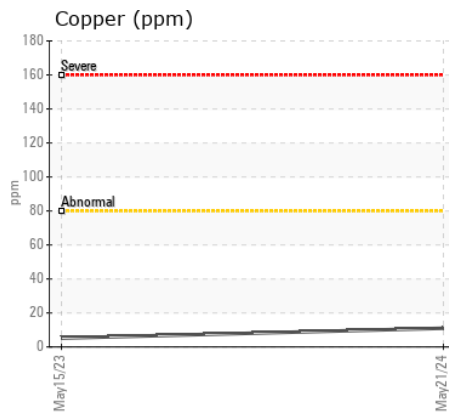
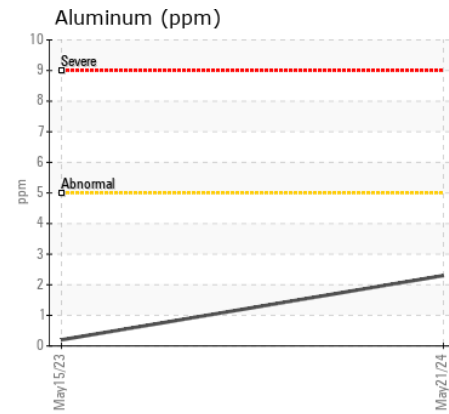
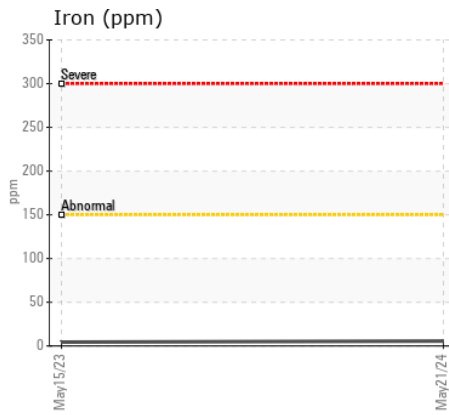
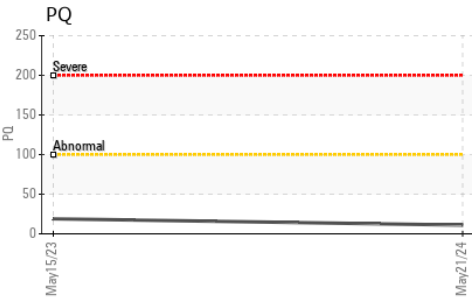
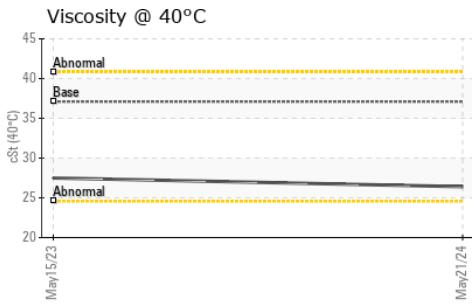
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	3	2	---
Potassium	ppm	ASTM D5185m	>20	<1	<1	---
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	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	<1	---
Boron	ppm	ASTM D5185m	194	78	59	---
Barium	ppm	ASTM D5185m	0.3	0	0	---
Molybdenum	ppm	ASTM D5185m	0.0	<1	<1	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m	7.2	3	3	---
Calcium	ppm	ASTM D5185m	477	5	7	---
Phosphorus	ppm	ASTM D5185m	196	157	150	---
Zinc	ppm	ASTM D5185m	25	9	0	---
Sulfur	ppm	ASTM D5185m	1506	3062	848	---
Visc @ 40°C	cSt	ASTM D445	37.1	26.4	27.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : VPA061881

Lab Number : 06189540

Unique Number : 11046292

Test Package : MOB 1 (Additional Tests: PQ)

Received : 23 May 2024

Tested : 25 May 2024

Diagnosed : 28 May 2024 - Don Baldrige

Endor Marine LLC - Coastal Marine - 152124

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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)