



# VOLVO PENTA

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[HUNT]

Machine Id

**VOLVO PENTA 3950006050**

Component

**Port IPS**

Fluid

**GEAR OIL SAE 75W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA058022	VPA037802	VPA047465
Sample Date		Client Info		18 Apr 2024	01 Dec 2022	09 May 2022
Machine Age	hrs	Client Info		488	208	132
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		21	15	24
Iron	ppm	ASTM D5185m	>200	59	21	34
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m		2	1	3
Lead	ppm	ASTM D5185m		0	<1	1
Copper	ppm	ASTM D5185m		11	4	6
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

### CONTAMINATION

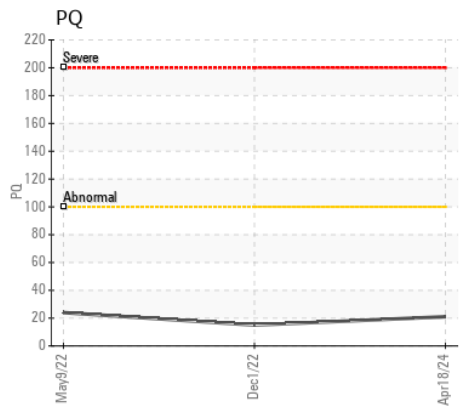
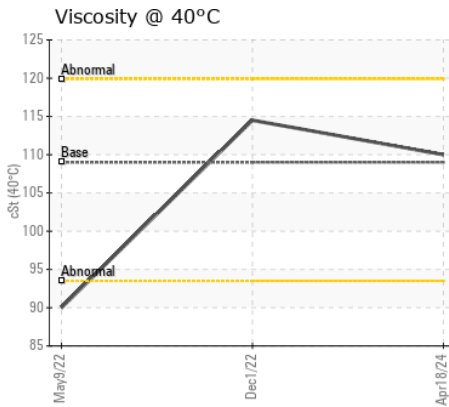
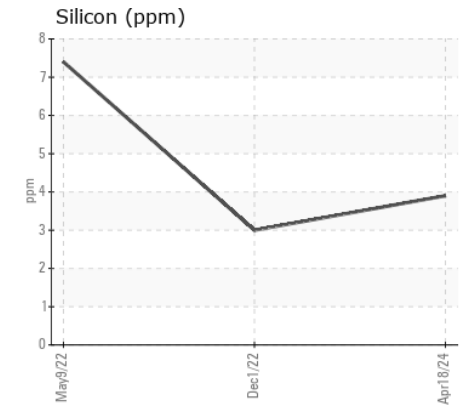
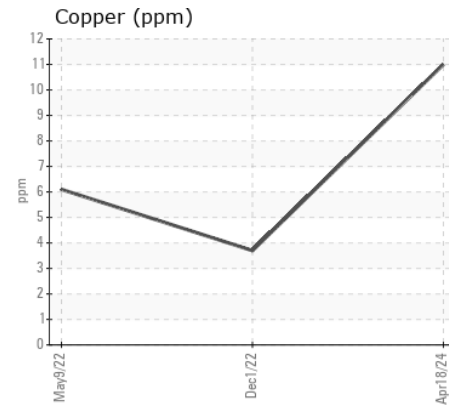
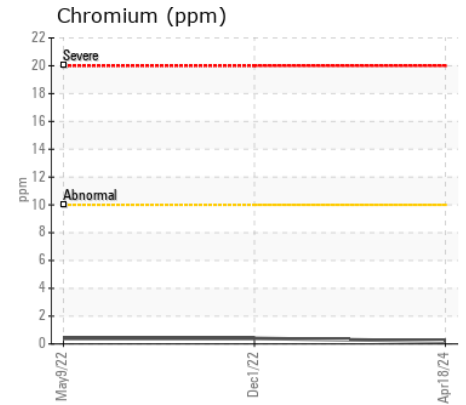
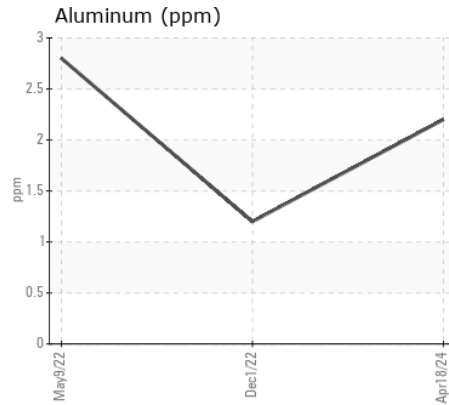
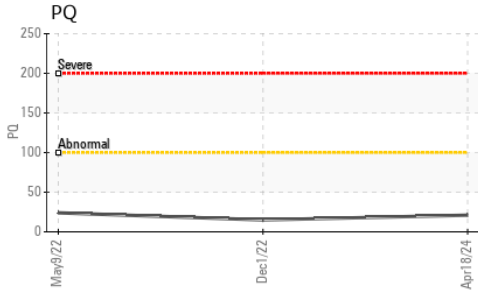
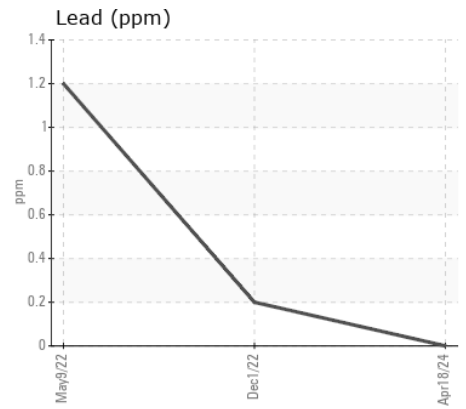
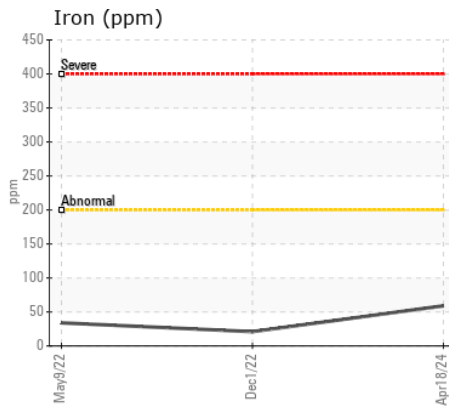
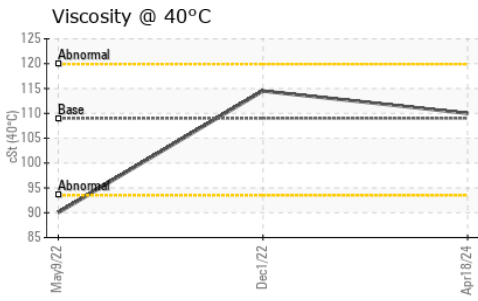
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		4	3	7
Potassium	ppm	ASTM D5185m	>20	1	<1	6
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		16	5	4
Boron	ppm	ASTM D5185m	400	249	334	546
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	0	<1	<1
Manganese	ppm	ASTM D5185m		5	2	5
Magnesium	ppm	ASTM D5185m	12	98	107	956
Calcium	ppm	ASTM D5185m	150	9	14	37
Phosphorus	ppm	ASTM D5185m	1650	1386	1228	1656
Zinc	ppm	ASTM D5185m	125	13	13	6
Sulfur	ppm	ASTM D5185m	22500	25106	24009	19248
Visc @ 40°C	cSt	ASTM D445	109	110	114.5	90.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VPA058022 **Received** : 24 Apr 2024  
**Lab Number** : 06159424 **Tested** : 25 Apr 2024  
**Unique Number** : 10994847 **Diagnosed** : 26 Apr 2024 - Jonathan Hester  
**Test Package** : MOB 1 ( Additional Tests: PQ )

**SUNCOAST DIESEL MARINE**  
 6341 PORTER ROAD, SUITE 6  
 SARASOTA, FL  
 US 34240

Contact: SERVICE MANAGER  
 info@suncoastdmi.com

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F:

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)