



WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area

[BOLDING]

Machine Id

VOLVO PENTA 3950005825

Component

Starboard IPS

Fluid

GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

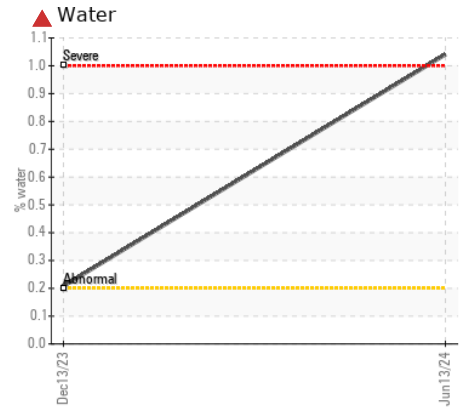
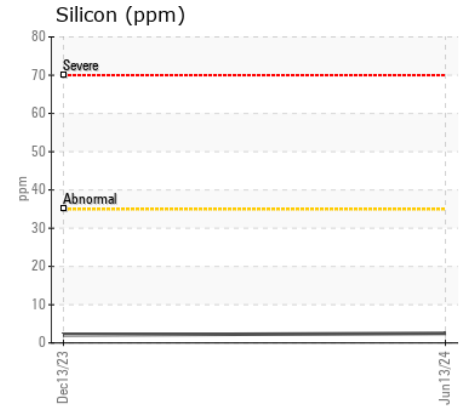
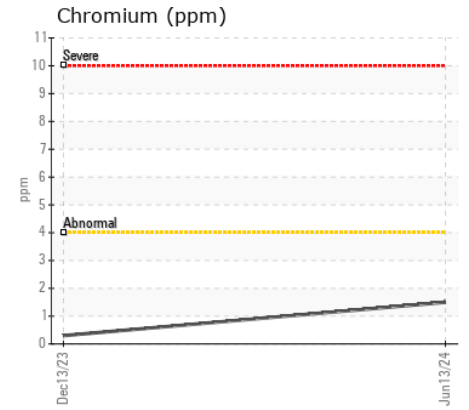
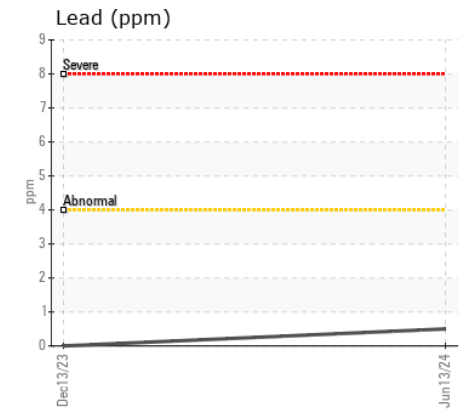
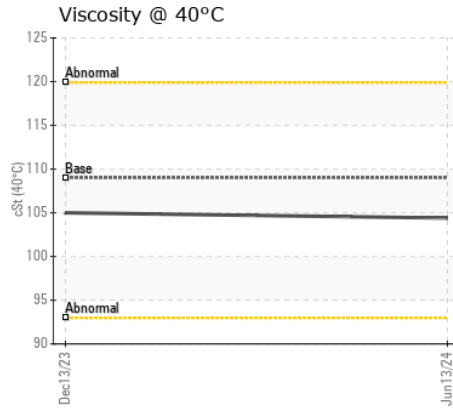
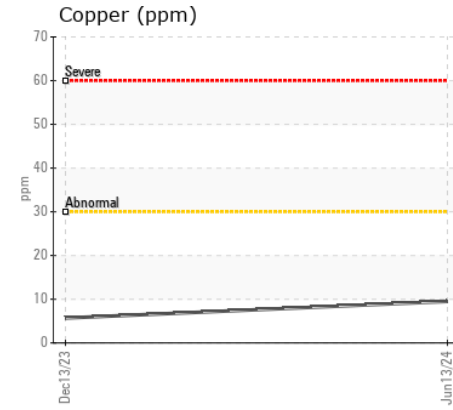
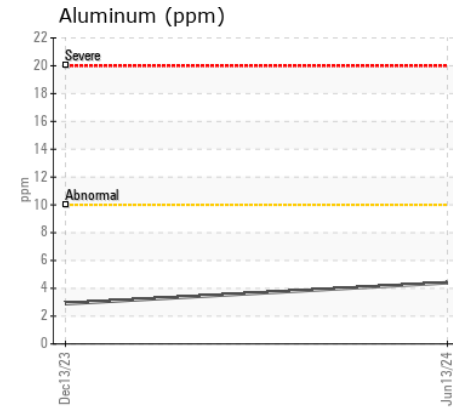
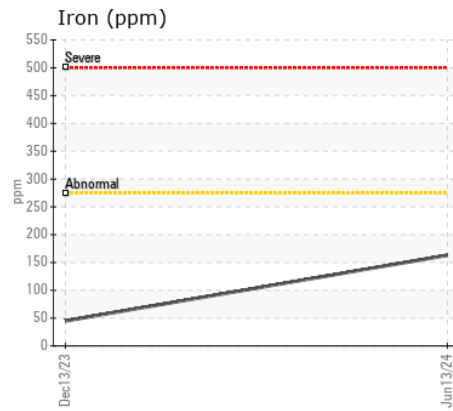
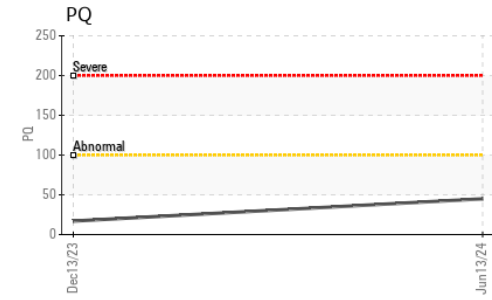
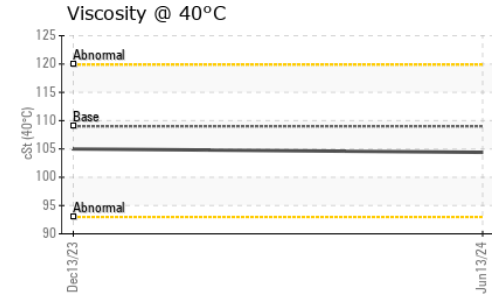
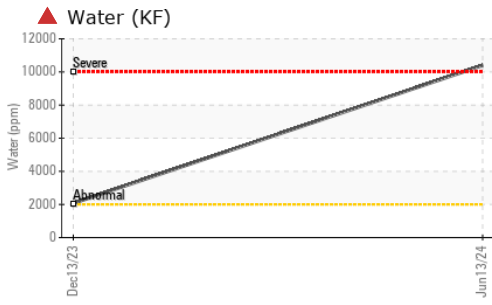
CONTAMINATION

Appearance is unacceptable. There is a high concentration of water present in the oil.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA059996	VPA044972	---
Sample Date		Client Info		13 Jun 2024	13 Dec 2023	---
Machine Age	hrs	Client Info		468	332	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	N/A	---
Filter Changed		Client Info		Not Changd	N/A	---
Sample Status				SEVERE	ATTENTION	---
PQ		ASTM D8184		45	17	---
Iron	ppm	ASTM D5185m	>275	163	45	---
Chromium	ppm	ASTM D5185m	>4	2	<1	---
Nickel	ppm	ASTM D5185m	>4	2	<1	---
Titanium	ppm	ASTM D5185m	>3	<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	4	3	---
Lead	ppm	ASTM D5185m	>4	<1	0	---
Copper	ppm	ASTM D5185m	>30	10	6	---
Tin	ppm	ASTM D5185m	>3	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>35	2	2	---
Potassium	ppm	ASTM D5185m	>20	6	2	---
Water	%	ASTM D6304	>0.2	▲ 1.04	● 0.207	---
ppm Water	ppm	ASTM D6304	>2000	▲ 10400	● 2070	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	● MILKY	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	0.2%	---
Sodium	ppm	ASTM D5185m		90	0	---
Boron	ppm	ASTM D5185m	400	264	355	---
Barium	ppm	ASTM D5185m	200	0	0	---
Molybdenum	ppm	ASTM D5185m	12	<1	1	---
Manganese	ppm	ASTM D5185m		4	1	---
Magnesium	ppm	ASTM D5185m	12	21	28	---
Calcium	ppm	ASTM D5185m	150	0	22	---
Phosphorus	ppm	ASTM D5185m	1650	1090	1370	---
Zinc	ppm	ASTM D5185m	125	25	0	---
Sulfur	ppm	ASTM D5185m	22500	21526	25658	---
Visc @ 40°C	cSt	ASTM D445	109	104.4	105	---



Certificate L2367

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

Sample No. : VPA059996

Lab Number : 06210671

Unique Number : 11083535

Test Package : MOB 1 (Additional Tests: KF, PQ)

Received : 14 Jun 2024

Tested : 14 Jun 2024

Diagnosed : 14 Jun 2024 - Doug Bogart

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6

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US 34240

Contact: JOSHUA

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F: (941)342-0088

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)