



Area

JOHN WESTON

Machine Id

VOLVO PENTA 3194001519

Component

Port IPS

Fluid

VOLVO API GL-5 SAE 75W90 (15 QTS)

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.

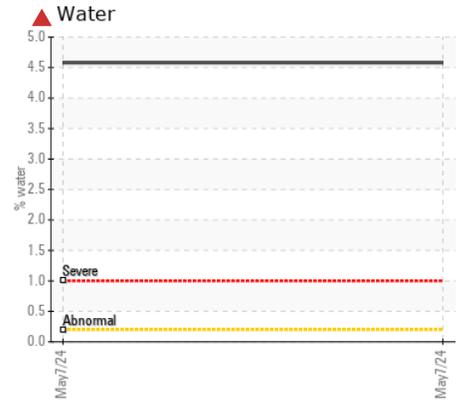
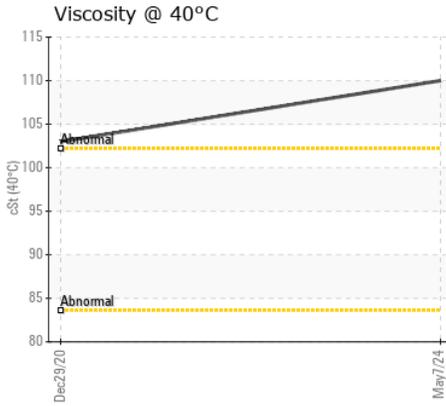
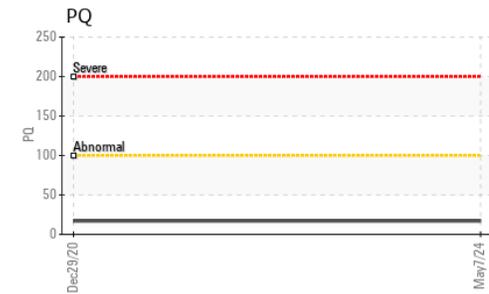
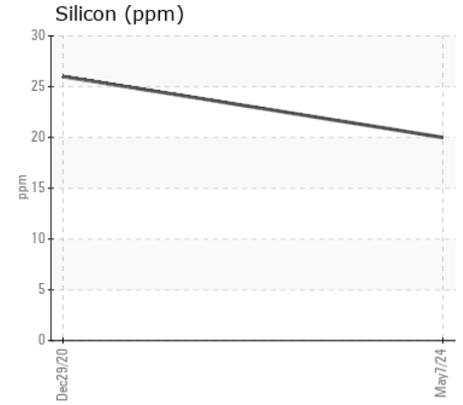
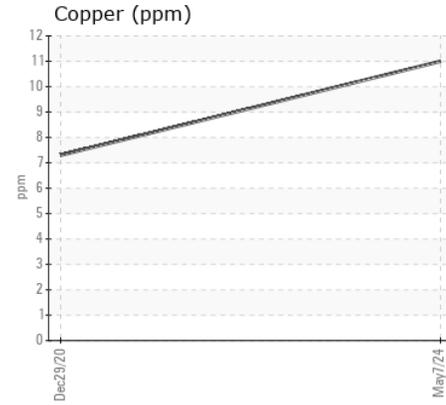
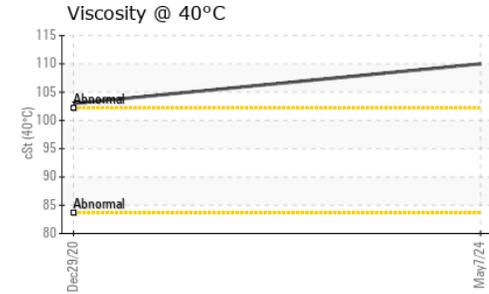
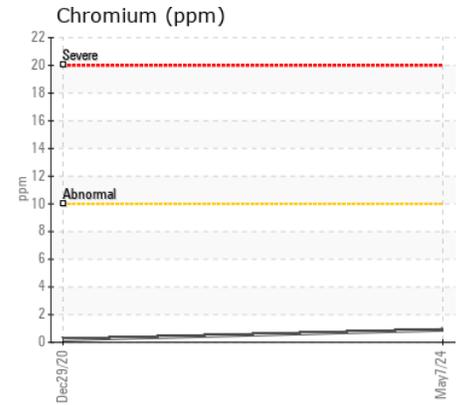
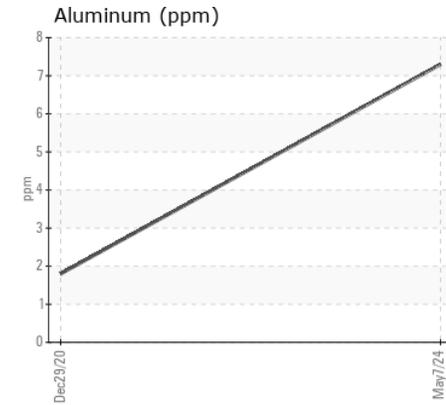
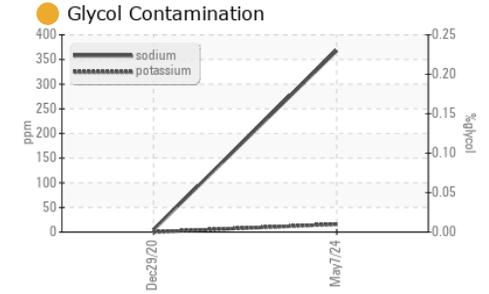
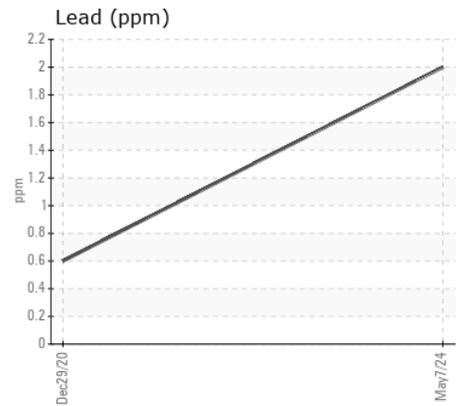
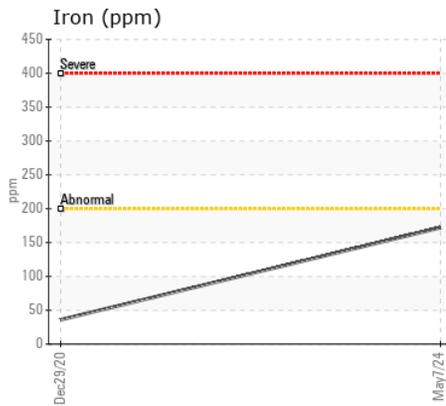
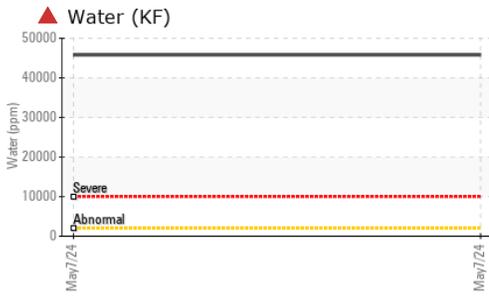
CONTAMINATION

Appearance is milky. The high sodium (Na) level indicates the possible presence of salt water. 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		VPA059504	VPA023921	---
Sample Date		Client Info		07 May 2024	29 Dec 2020	---
Machine Age	hrs	Client Info		728	0	---
Oil Age	hrs	Client Info		0	30	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				SEVERE	NORMAL	---
PQ		ASTM D8184		17	17	---
Iron	ppm	ASTM D5185m	>200	172	36	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	1	2	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		1	<1	---
Aluminum	ppm	ASTM D5185m		7	2	---
Lead	ppm	ASTM D5185m		2	<1	---
Copper	ppm	ASTM D5185m		11	7	---
Tin	ppm	ASTM D5185m		4	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		20	26	---
Potassium	ppm	ASTM D5185m	>20	16	0	---
Water	%	ASTM D6304	>0.2	▲ 4.58	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 45800	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	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%	NEG	---
Sodium	ppm	ASTM D5185m		● 368	5	---
Boron	ppm	ASTM D5185m		277	255	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		2	<1	---
Magnesium	ppm	ASTM D5185m		26	1	---
Calcium	ppm	ASTM D5185m		190	7	---
Phosphorus	ppm	ASTM D5185m		1586	1287	---
Zinc	ppm	ASTM D5185m		74	12	---
Sulfur	ppm	ASTM D5185m		34254	21006	---
Visc @ 40°C	cSt	ASTM D445		110	103	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VPA059504
Lab Number : 06176290
Unique Number : 11022343
Test Package : MOB 1 (Additional Tests: KF, PQ)

Received : 10 May 2024
Tested : 14 May 2024
Diagnosed : 14 May 2024 - Sean Felton

Cogswell Marine & Motorsports, Inc
 865 Stella Street
 CHULA VISTA, CA
 US 91911
 Contact: Mitchell Cogswell
 Cogswellmarinemotorsports@gmail.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: