



WEAR  
CONTAMINATION  
FLUID CONDITION

ATTENTION  
ABNORMAL  
ATTENTION

Area  
**MARK RAY [MARK RAY OWNER]**

Machine Id  
**VOLVO PENTA 21194749512**

Component  
**Transmission (Auto)**  
Fluid  
**{not provided} (5 GAL)**

### RECOMMENDATION

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### WEAR

Gear wear is indicated. Clutch wear is indicated.

### CONTAMINATION

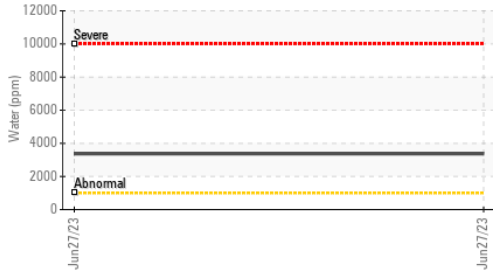
There is a light concentration of water present in the fluid. The high sodium (Na) level indicates the possible presence of salt water.

### FLUID CONDITION

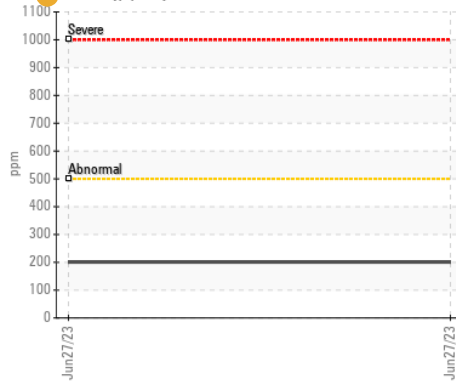
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA048692	---	---
Sample Date		Client Info		27 Jun 2023	---	---
Machine Age	hrs	Client Info		693	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---
PQ		ASTM D8184	>50	45	---	---
Iron	ppm	ASTM D5185m	>500	201	---	---
Chromium	ppm	ASTM D5185m	>7	2	---	---
Nickel	ppm	ASTM D5185m	>5	5	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m	>5	0	---	---
Aluminum	ppm	ASTM D5185m	>15	8	---	---
Lead	ppm	ASTM D5185m	>350	203	---	---
Copper	ppm	ASTM D5185m	>300	241	---	---
Tin	ppm	ASTM D5185m	>5	2	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>25	11	---	---
Potassium	ppm	ASTM D5185m	>20	7	---	---
Water	%	ASTM D6304	>0.1	0.337	---	---
ppm Water	ppm	ASTM D6304	>1000	3370	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	0.2%	---	---
Sodium	ppm	ASTM D5185m		77	---	---
Boron	ppm	ASTM D5185m		76	---	---
Barium	ppm	ASTM D5185m		7	---	---
Molybdenum	ppm	ASTM D5185m		1	---	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m		24	---	---
Calcium	ppm	ASTM D5185m		136	---	---
Phosphorus	ppm	ASTM D5185m		223	---	---
Zinc	ppm	ASTM D5185m		211	---	---
Sulfur	ppm	ASTM D5185m		3472	---	---
Visc @ 40°C	cSt	ASTM D445		24.4	---	---

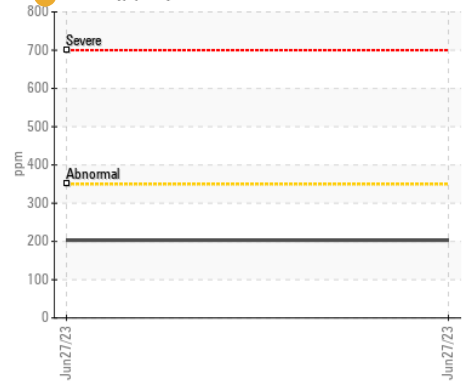
**Water (KF)**



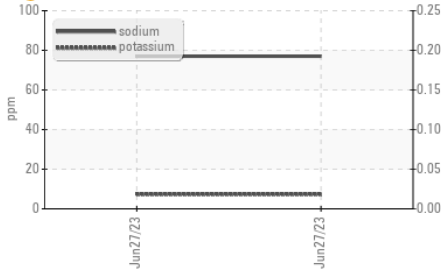
**Iron (ppm)**



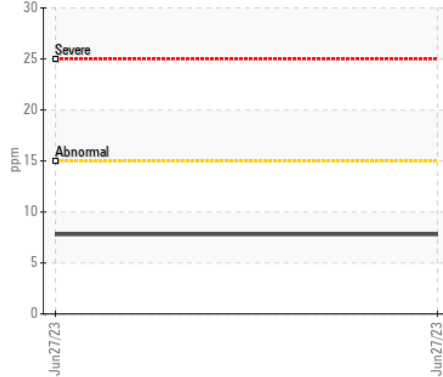
**Lead (ppm)**



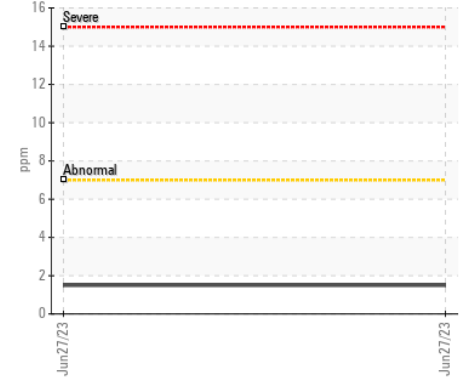
**Glycol Contamination**



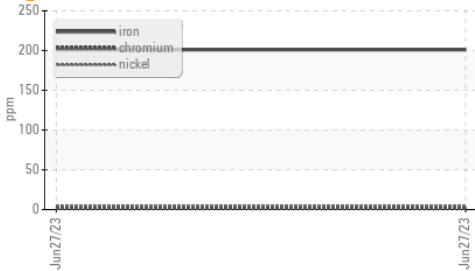
**Aluminum (ppm)**



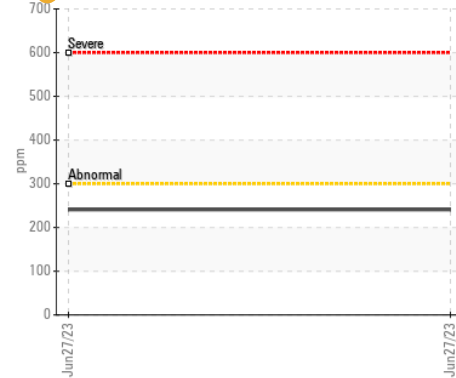
**Chromium (ppm)**



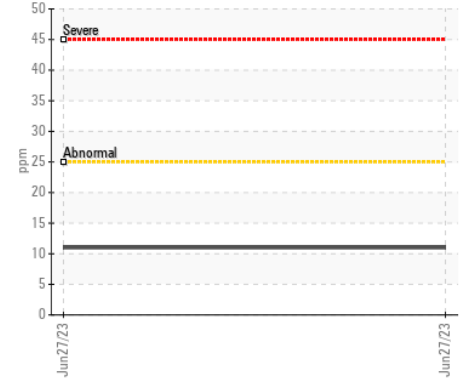
**Ferrous Alloys**



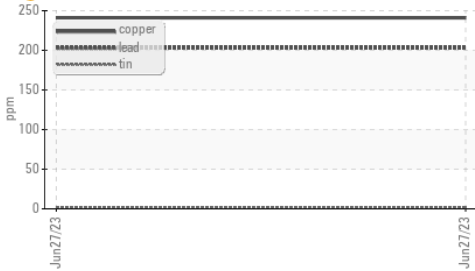
**Copper (ppm)**



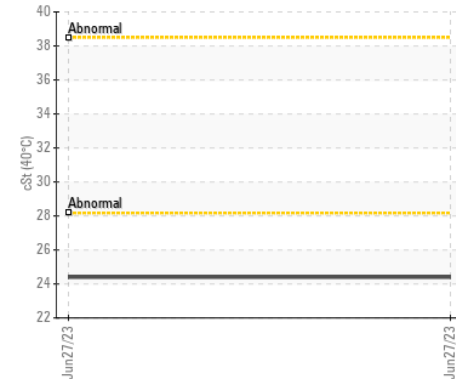
**Silicon (ppm)**



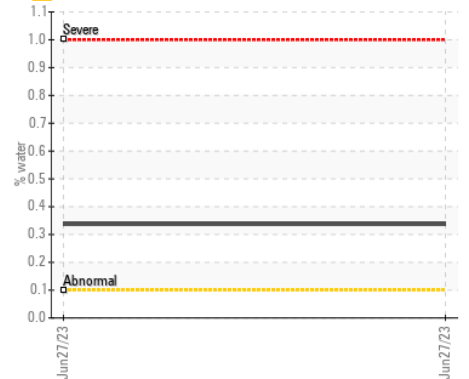
**Non-ferrous Metals**



**Viscosity @ 40°C**



**Water**



Certificate L2367

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

**Sample No.** : VPA048692

**Lab Number** : 05891593

**Unique Number** : 10547403

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

**Received** : 06 Jul 2023

**Tested** : 07 Jul 2023

**Diagnosed** : 07 Jul 2023 - Doug Bogart

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)

**MARK RAY**

411 WALNUT ST 19430

GREEN COVE SPRING, FL

US 32043

Contact: MARK RAY

BJMR1122@GMAIL.COM

T: (303)947-4641

F: