



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL

Area
GREG NOVOTNY & KRISTA PEARSON [SR00100068]

Machine Id
VOLVO PENTA 51220303671 - INBOARD

Component
Center Gearbox

Fluid
CHEVRON AUTOMATIC TRANS FLUID MD-3 (4 QTS)

RECOMMENDATION

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

WEAR

The aluminum level is abnormal. All other component wear rates are normal.

CONTAMINATION

There is a moderate concentration of water present in the oil.

FLUID CONDITION

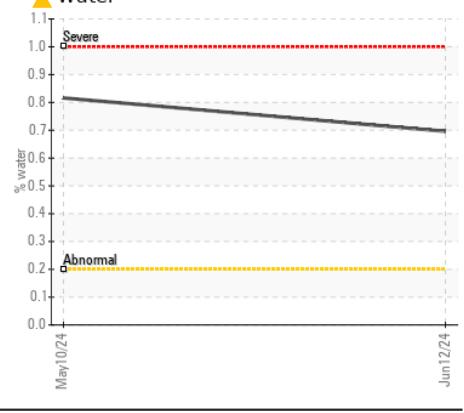
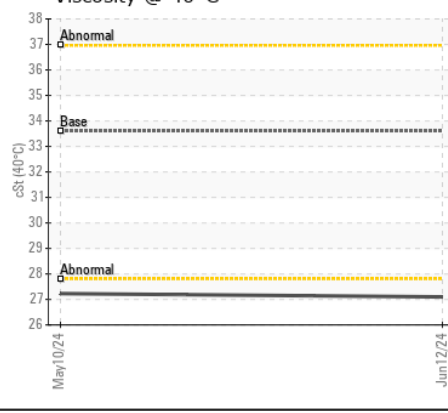
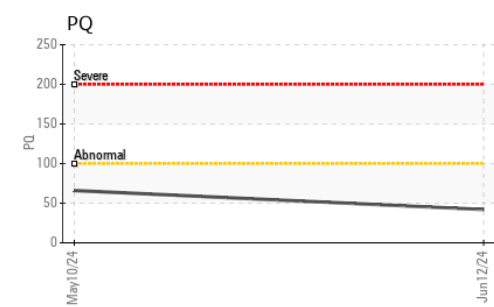
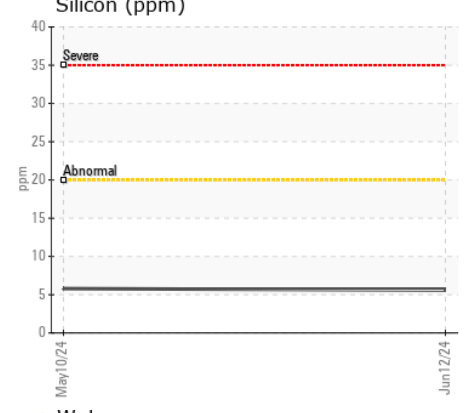
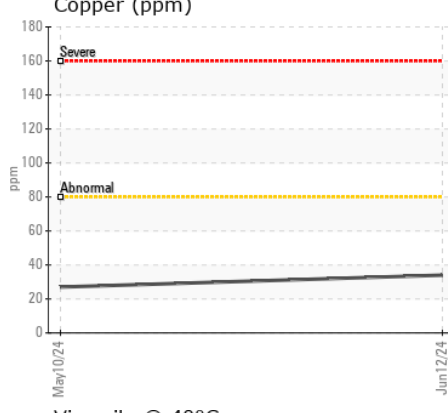
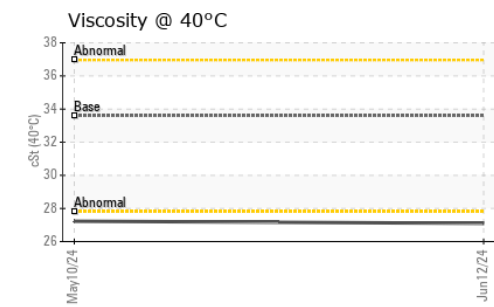
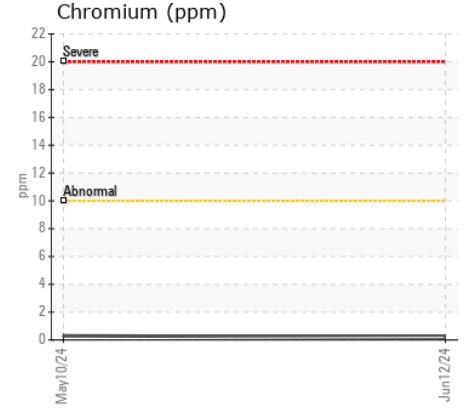
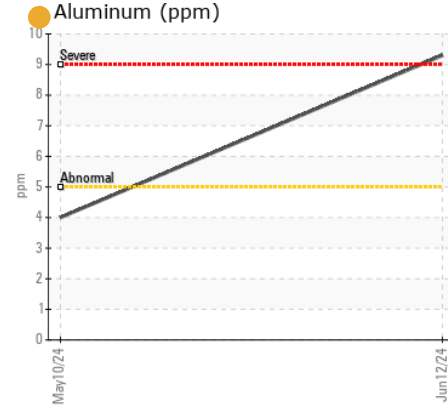
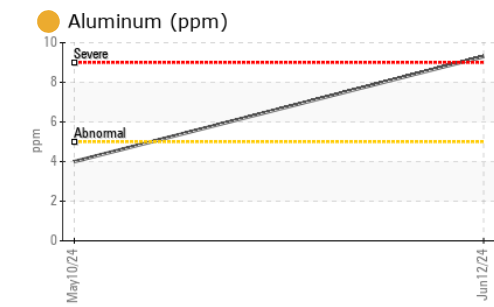
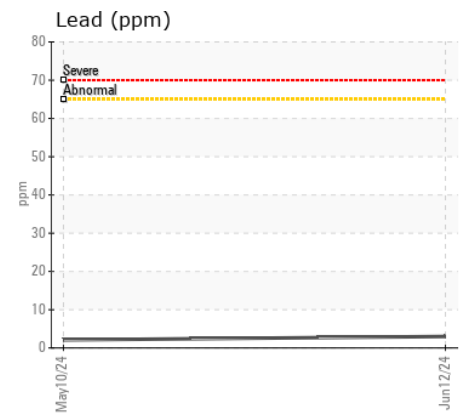
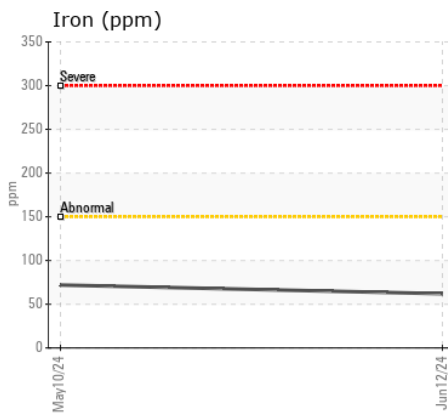
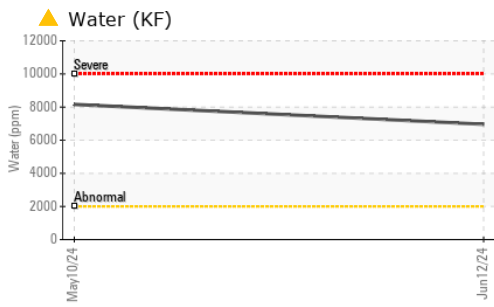
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA062987	VPA061738	---
Sample Date		Client Info		12 Jun 2024	10 May 2024	---
Machine Age	hrs	Client Info		304	301	---
Oil Age	hrs	Client Info		304	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				ABNORMAL	ABNORMAL	---

PQ		ASTM D8184		42	66	---
Iron	ppm	ASTM D5185m	>150	62	72	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>5	9	4	---
Lead	ppm	ASTM D5185m	>65	3	2	---
Copper	ppm	ASTM D5185m	>80	34	27	---
Tin	ppm	ASTM D5185m	>8	0	1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

Silicon	ppm	ASTM D5185m	>20	6	6	---
Potassium	ppm	ASTM D5185m	>20	3	2	---
Water	%	ASTM D6304	>0.2	0.696	0.816	---
ppm Water	ppm	ASTM D6304	>2000	6960	8160	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	HAZY	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	0.2%	0.2%	---

Sodium	ppm	ASTM D5185m		47	45	---
Boron	ppm	ASTM D5185m		52	61	---
Barium	ppm	ASTM D5185m		4	5	---
Molybdenum	ppm	ASTM D5185m		2	0	---
Manganese	ppm	ASTM D5185m		1	1	---
Magnesium	ppm	ASTM D5185m		22	17	---
Calcium	ppm	ASTM D5185m		67	16	---
Phosphorus	ppm	ASTM D5185m		202	195	---
Zinc	ppm	ASTM D5185m		252	246	---
Sulfur	ppm	ASTM D5185m		1817	1835	---
Visc @ 40°C	cSt	ASTM D445	33.6	27.1	27.23	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VPA062987 **Received** : 20 Jun 2024
Lab Number : 06216060 **Tested** : 22 Jun 2024
Unique Number : 11088924 **Diagnosed** : 23 Jun 2024 - Don Baldrige
Test Package : MOB 1 (Additional Tests: KF, PQ)

Pacific Power Group - VP981534
 7215 S 228th St
 Kent, WA
 US 98032
 Contact: PAT RYAN
 pryan@pacificpowergroup.com
 T: (253)520-5163
 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)