



VOLVO PENTA

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
REN DONALD [7718613]
Machine Id
VOLVO PENTA 51230106854 - INBOARD
Component
Center Gearbox
Fluid
CHEVRON AUTOMATIC TRANS FLUID MD-3 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA060739	---	---
Sample Date		Client Info		25 Jan 2024	---	---
Machine Age	hrs	Client Info		25	---	---
Oil Age	hrs	Client Info		25	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		18	---	---
Iron	ppm	ASTM D5185m	>150	16	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>5	2	---	---
Lead	ppm	ASTM D5185m	>65	3	---	---
Copper	ppm	ASTM D5185m	>80	22	---	---
Tin	ppm	ASTM D5185m	>8	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	LIGHT	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

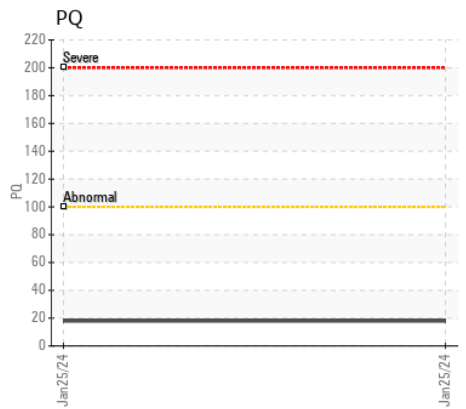
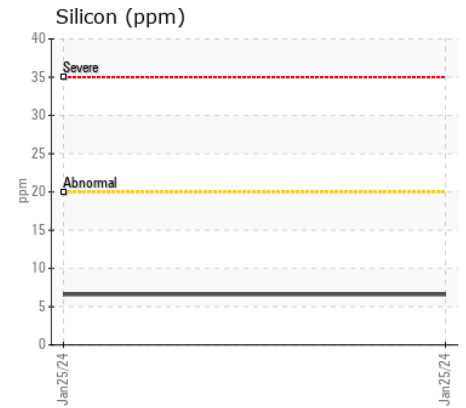
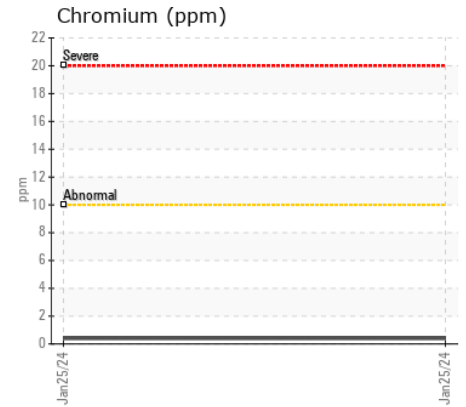
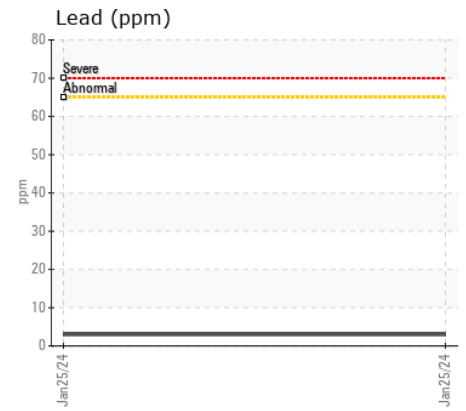
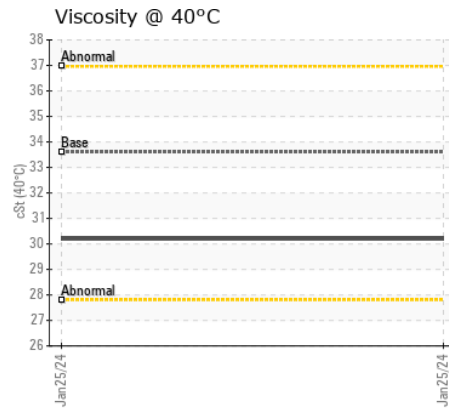
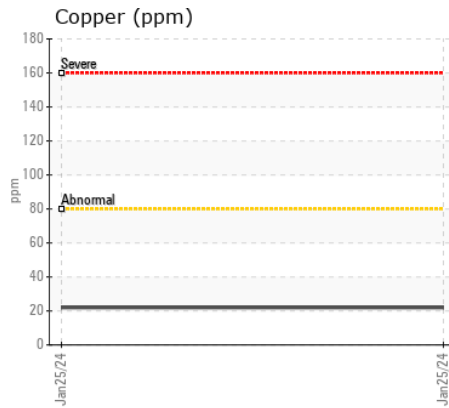
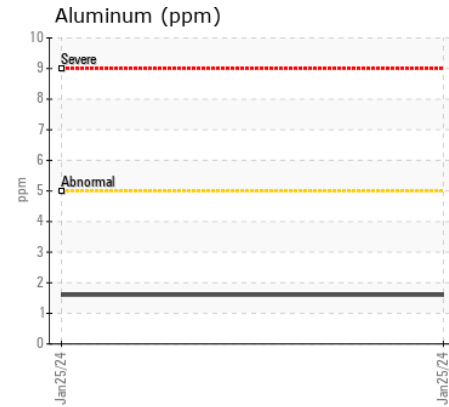
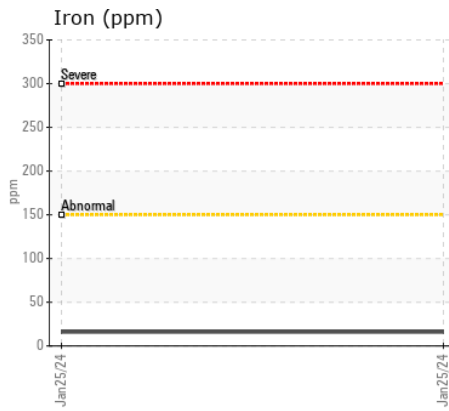
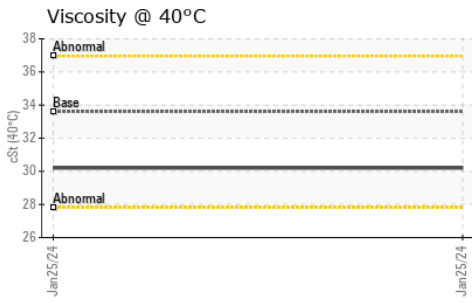
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	7	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method	>0.2	NEG	---	---
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	>0.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	---	---
Boron	ppm	ASTM D5185m		51	---	---
Barium	ppm	ASTM D5185m		7	---	---
Molybdenum	ppm	ASTM D5185m		3	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		51	---	---
Calcium	ppm	ASTM D5185m		29	---	---
Phosphorus	ppm	ASTM D5185m		304	---	---
Zinc	ppm	ASTM D5185m		212	---	---
Sulfur	ppm	ASTM D5185m		5769	---	---
Visc @ 40°C	cSt	ASTM D445	33.6	30.2	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VPA060739 **Received** : 01 Feb 2024
Lab Number : 06077841 **Tested** : 02 Feb 2024
Unique Number : 10859932 **Diagnosed** : 05 Feb 2024 - Jonathan Hester
Test Package : MOB 1 (Additional Tests: PQ)

Pacific Power Group - VP981534
 7215 S 228th St
 Kent, WA
 US 98032

Contact: MARINE SERVICES
 MarineService@pacificpowergroup.com
 T: (253)520-5151

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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