



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
WAJER 55
 Machine Id
VOLVO PENTA 3200001638
 Component
Port IPS
 Fluid
VOLVO PENTA GL-5 SAE 75W90 (4 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA041563	VPA049845	VPA046458
Sample Date		Client Info		02 Apr 2024	17 Oct 2023	21 Dec 2022
Machine Age	hrs	Client Info		0	520	437
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		17	19	8
Iron	ppm	ASTM D5185m	>200	36	▲ 225	65
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	3	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		2	6	<1
Lead	ppm	ASTM D5185m		0	<1	0
Copper	ppm	ASTM D5185m		9	33	14
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

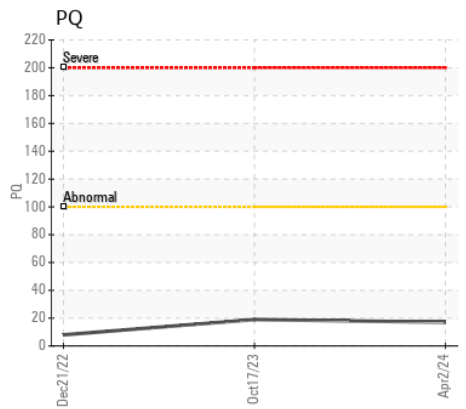
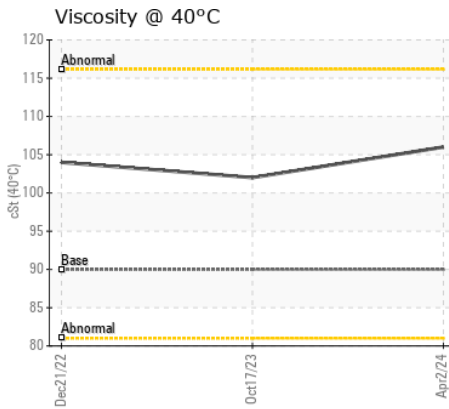
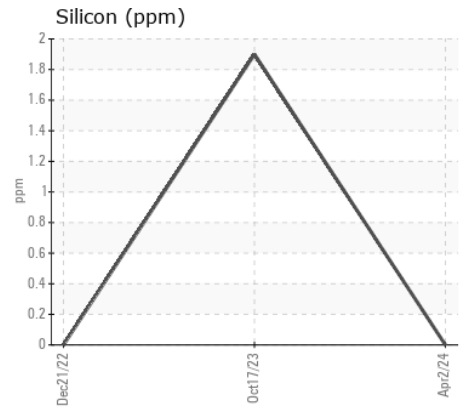
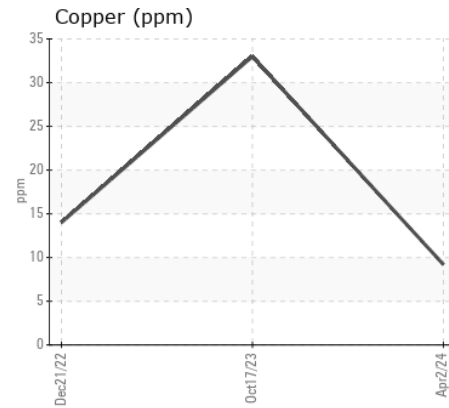
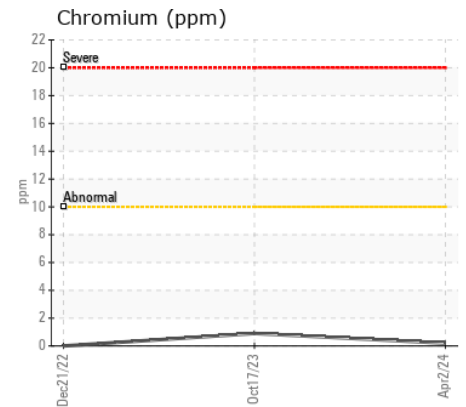
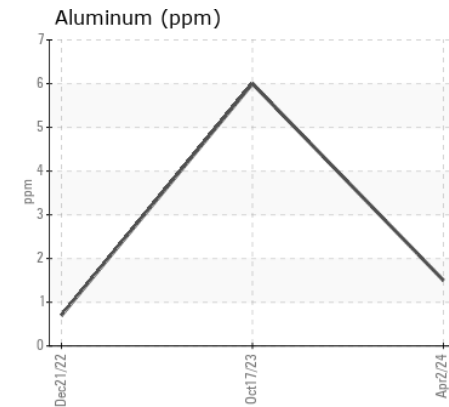
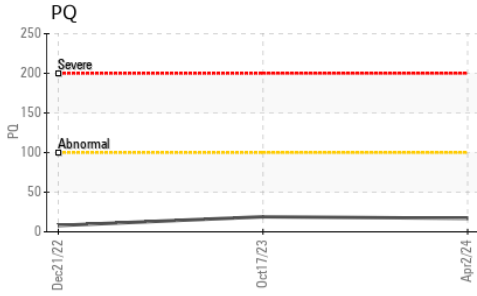
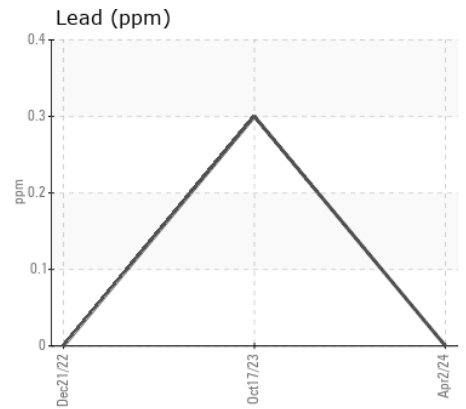
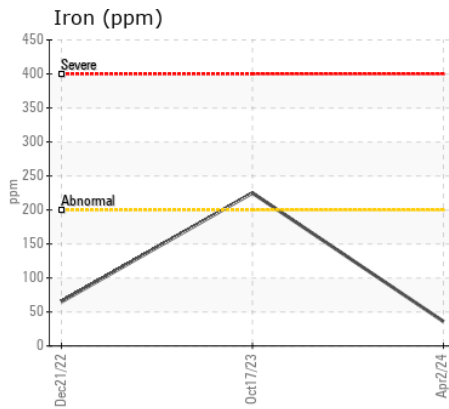
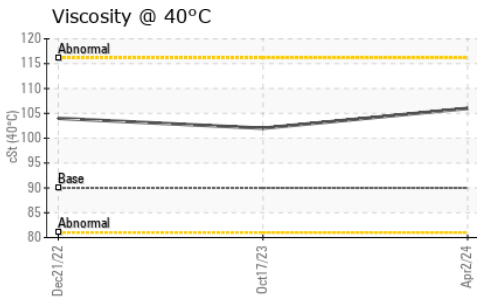
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		0	2	0
Potassium	ppm	ASTM D5185m	>20	2	3	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	17	6
Boron	ppm	ASTM D5185m		339	288	309
Barium	ppm	ASTM D5185m		0	9	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		<1	3	<1
Magnesium	ppm	ASTM D5185m		2	4	<1
Calcium	ppm	ASTM D5185m		11	5	2
Phosphorus	ppm	ASTM D5185m		1519	1357	1335
Zinc	ppm	ASTM D5185m		27	223	10
Sulfur	ppm	ASTM D5185m		26131	29008	27459
Visc @ 40°C	cSt	ASTM D445	90.0	106	102	104



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VPA041563 **Received** : 10 Apr 2024
Lab Number : 06145439 **Tested** : 15 Apr 2024
Unique Number : 10970247 **Diagnosed** : 15 Apr 2024 - Sean Felton
Test Package : MOB 1 (Additional Tests: PQ)

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 3600 HACIENDA BLVD UNIT G
 DAVIE, FL
 US 33314
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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)