



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[HERLIHY]

Machine Id

VOLVO PENTA 3194012896

Component

Port IPS

Fluid

GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

CONTAMINATION

There is a trace of moisture present in the oil. No other contaminants were detected in the oil.

FLUID CONDITION

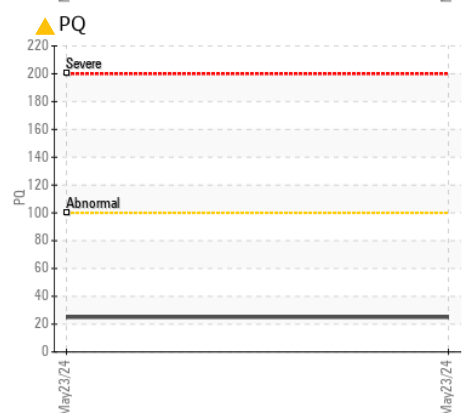
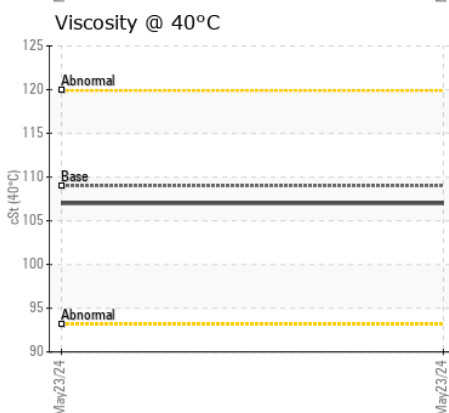
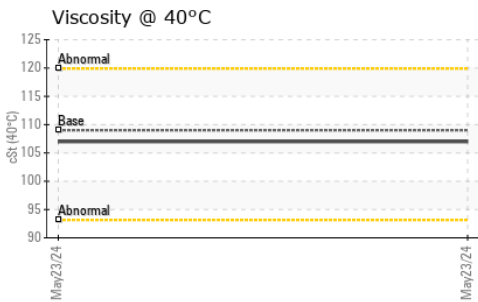
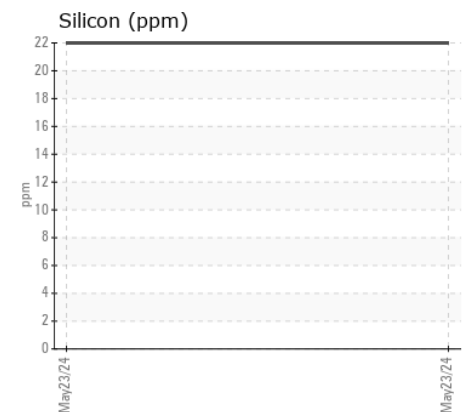
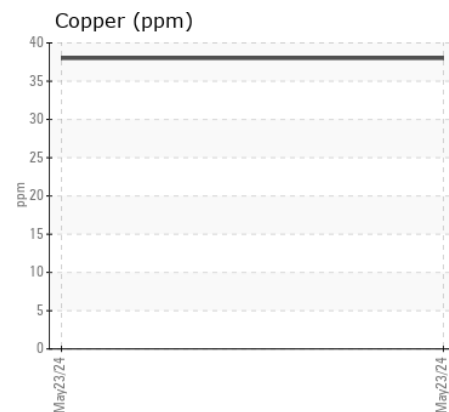
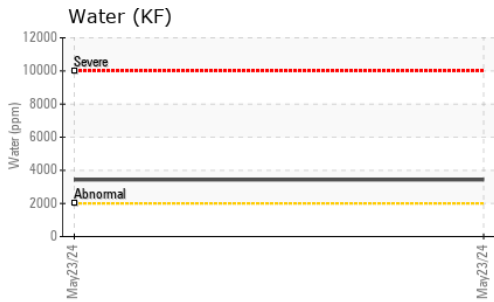
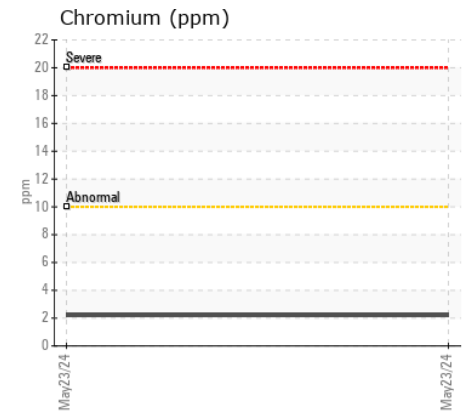
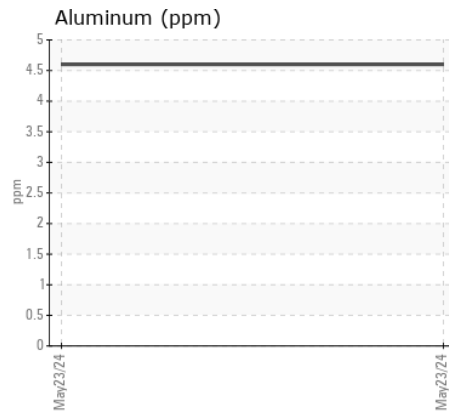
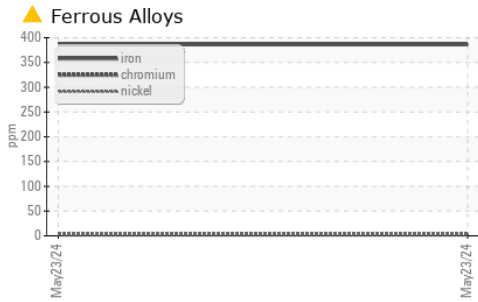
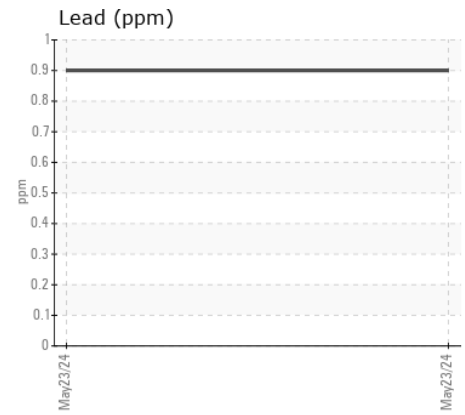
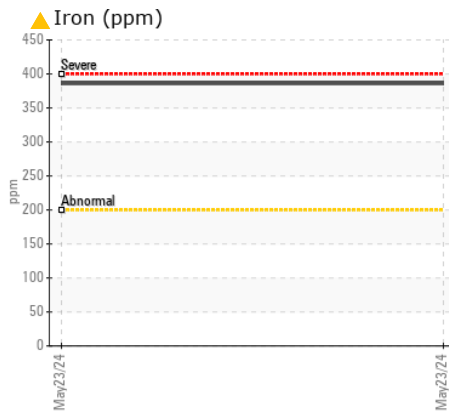
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA054230	---	---
Sample Date		Client Info		23 May 2024	---	---
Machine Age	hrs	Client Info		426	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				ABNORMAL	---	---

PQ		ASTM D8184		▲ 25	---	---
Iron	ppm	ASTM D5185m	>200	▲ 386	---	---
Chromium	ppm	ASTM D5185m	>10	2	---	---
Nickel	ppm	ASTM D5185m	>10	4	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m		5	---	---
Lead	ppm	ASTM D5185m		<1	---	---
Copper	ppm	ASTM D5185m		38	---	---
Tin	ppm	ASTM D5185m		<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

Silicon	ppm	ASTM D5185m		22	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water	%	ASTM D6304	>0.2	0.343	---	---
ppm Water	ppm	ASTM D6304	>2000	3430	---	---
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	0.2%	---	---

Sodium	ppm	ASTM D5185m		27	---	---
Boron	ppm	ASTM D5185m	400	303	---	---
Barium	ppm	ASTM D5185m	200	0	---	---
Molybdenum	ppm	ASTM D5185m	12	<1	---	---
Manganese	ppm	ASTM D5185m		6	---	---
Magnesium	ppm	ASTM D5185m	12	34	---	---
Calcium	ppm	ASTM D5185m	150	10	---	---
Phosphorus	ppm	ASTM D5185m	1650	1448	---	---
Zinc	ppm	ASTM D5185m	125	52	---	---
Sulfur	ppm	ASTM D5185m	22500	29272	---	---
Visc @ 40°C	cSt	ASTM D445	109	107.0	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VPA054230 **Received** : 24 May 2024
Lab Number : 06190912 **Tested** : 24 May 2024
Unique Number : 11047664 **Diagnosed** : 24 May 2024 - Doug Bogart
Test Package : MOB 1 (Additional Tests: KF, PQ)

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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)