



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[ENGLAND]

Machine Id
VOLVO PENTA 3194005176

Component
Port IPS

Fluid
GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated.

CONTAMINATION

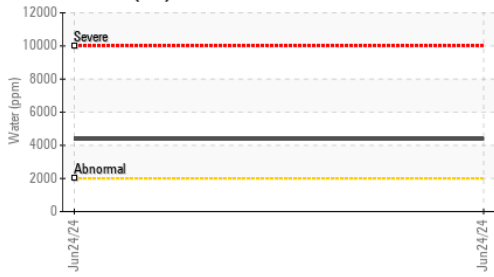
Appearance is hazy. There is a moderate concentration of water present in the oil.

FLUID CONDITION

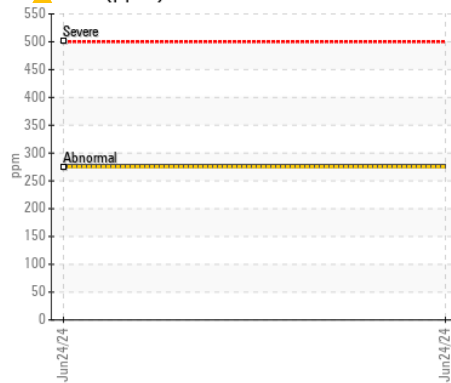
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA036267	---	---
Sample Date		Client Info		24 Jun 2024	---	---
Machine Age	hrs	Client Info		87	---	---
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		19	---	---
Iron	ppm	ASTM D5185m	>275	▲ 276	---	---
Chromium	ppm	ASTM D5185m	>4	2	---	---
Nickel	ppm	ASTM D5185m	>4	2	---	---
Titanium	ppm	ASTM D5185m	>3	0	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>10	▲ 21	---	---
Lead	ppm	ASTM D5185m	>4	<1	---	---
Copper	ppm	ASTM D5185m	>30	25	---	---
Tin	ppm	ASTM D5185m	>3	0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>35	12	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---
Water	%	ASTM D6304	>0.2	▲ 0.438	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 4380	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	● HAZY	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	0.2%	---	---
Sodium	ppm	ASTM D5185m		57	---	---
Boron	ppm	ASTM D5185m	400	252	---	---
Barium	ppm	ASTM D5185m	200	<1	---	---
Molybdenum	ppm	ASTM D5185m	12	<1	---	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m	12	6	---	---
Calcium	ppm	ASTM D5185m	150	9	---	---
Phosphorus	ppm	ASTM D5185m	1650	1408	---	---
Zinc	ppm	ASTM D5185m	125	57	---	---
Sulfur	ppm	ASTM D5185m	22500	27055	---	---
Visc @ 40°C	cSt	ASTM D445	109	108	---	---

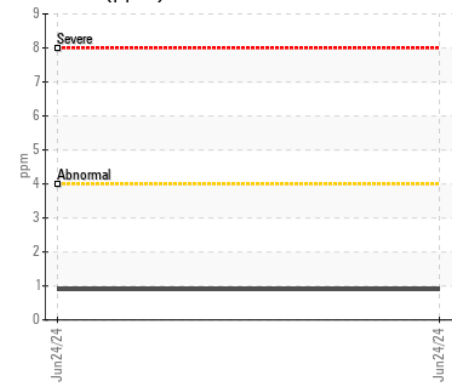
▲ Water (KF)



▲ Iron (ppm)



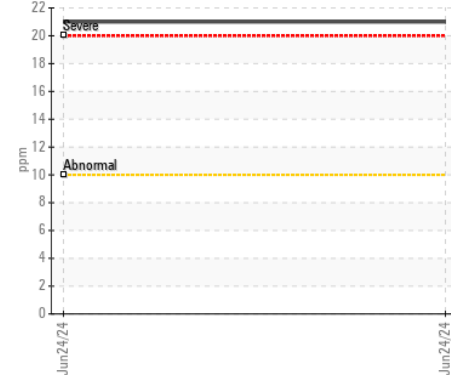
Lead (ppm)



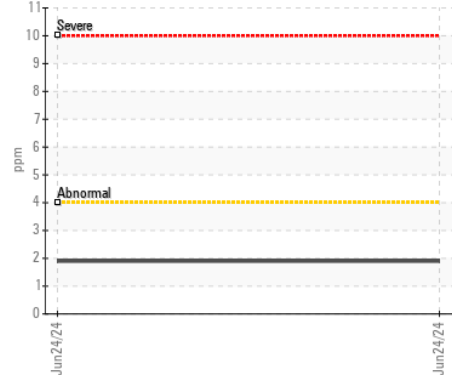
▲ Ferrous Alloys



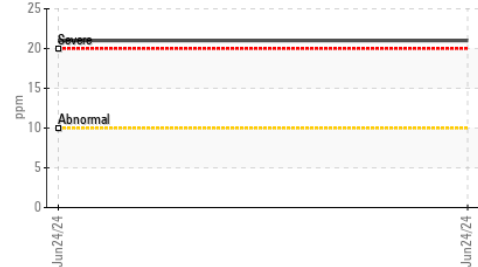
▲ Aluminum (ppm)



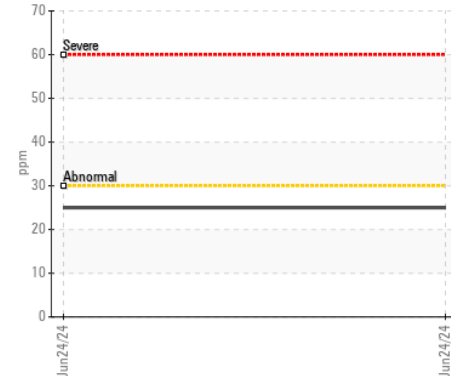
Chromium (ppm)



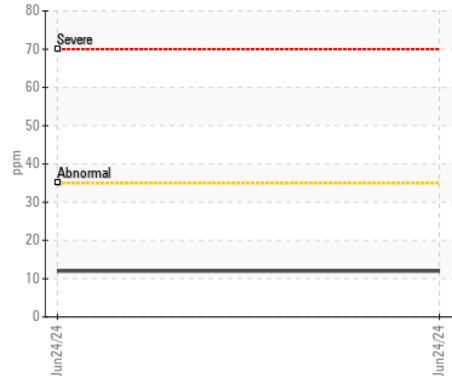
▲ Aluminum (ppm)



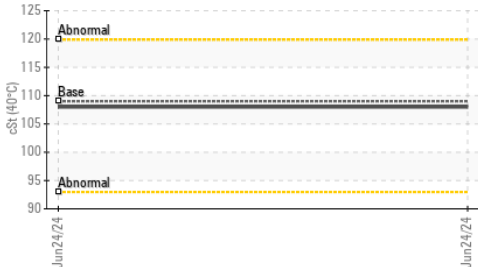
Copper (ppm)



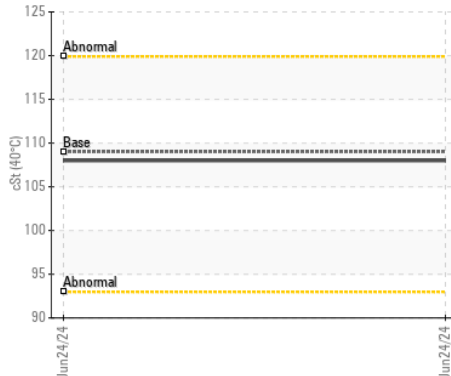
Silicon (ppm)



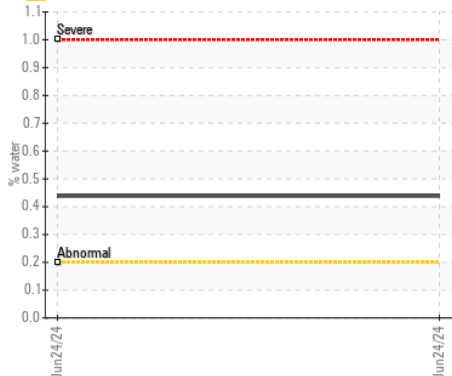
Viscosity @ 40°C



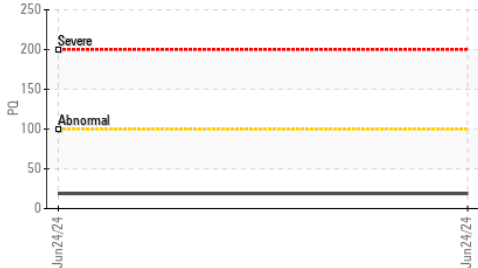
Viscosity @ 40°C



▲ Water



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : VPA036267 Received : 27 Jun 2024
 Lab Number : 06222894 Tested : 01 Jul 2024
 Unique Number : 11101091 Diagnosed : 01 Jul 2024 - Jonathan Hester
 Test Package : MOB 1 (Additional Tests: KF, PQ)

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 SARASOTA, FL
 US 34240
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 info@suncoastdmi.com
 T: (941)342-0033
 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)