



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Area

KEMICHIRI

Machine Id

VOLVO PENTA 3200000007

Component

Port IPS

Fluid

GEAR OIL SAE 75W90 (4 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

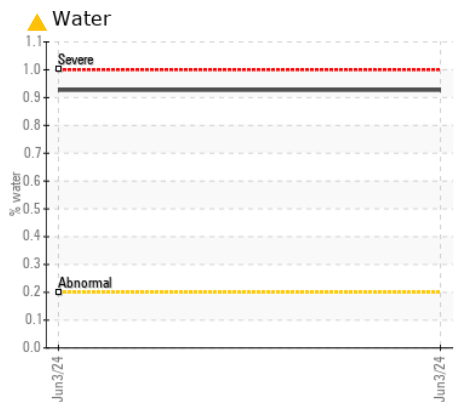
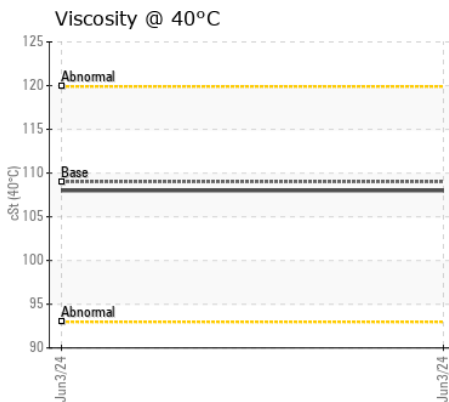
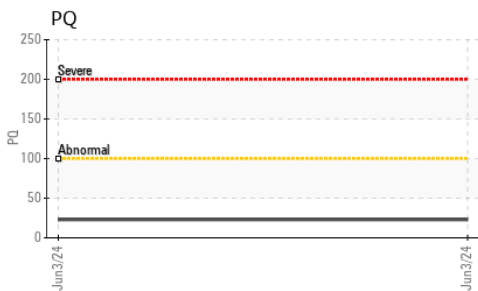
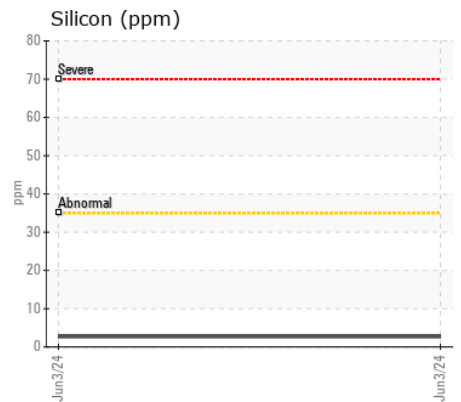
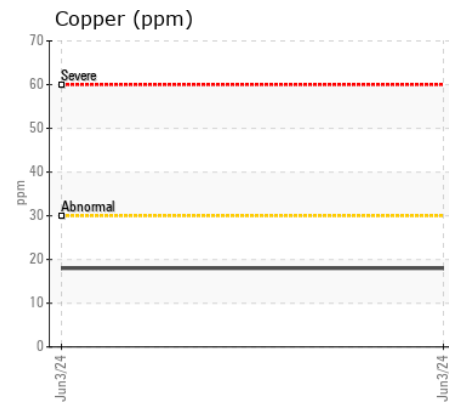
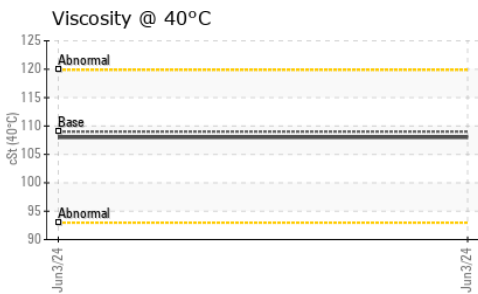
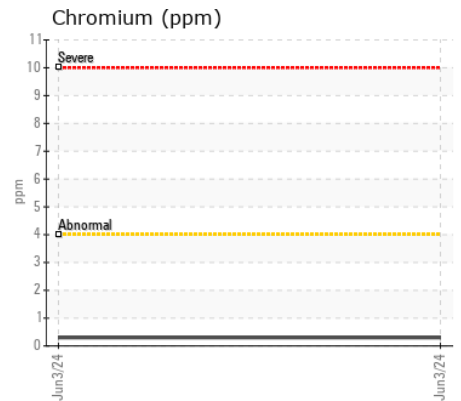
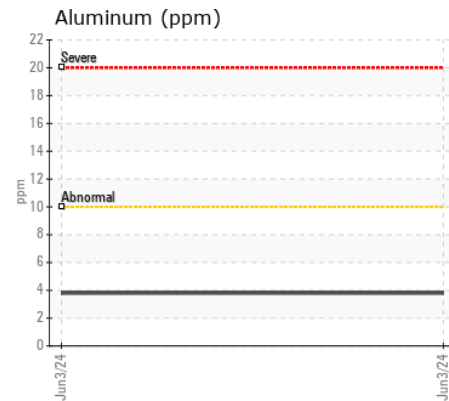
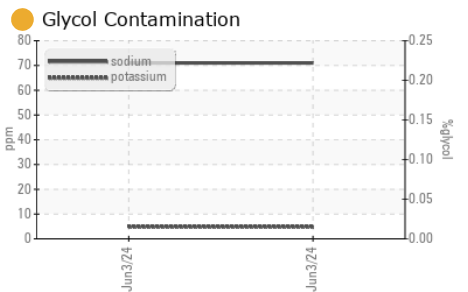
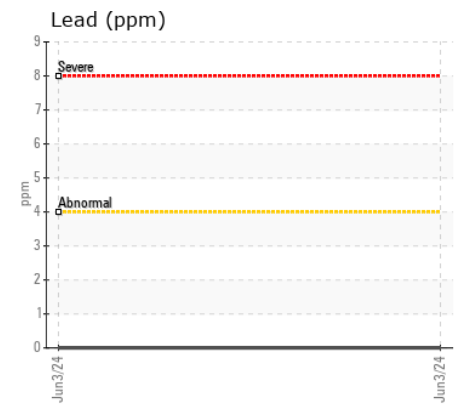
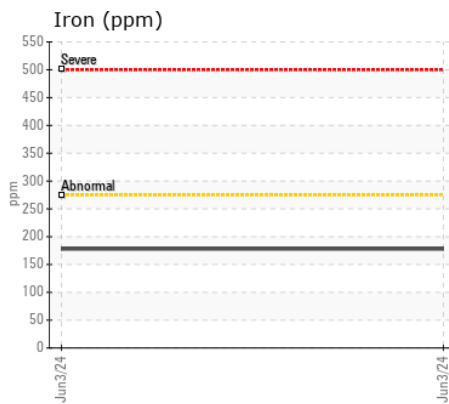
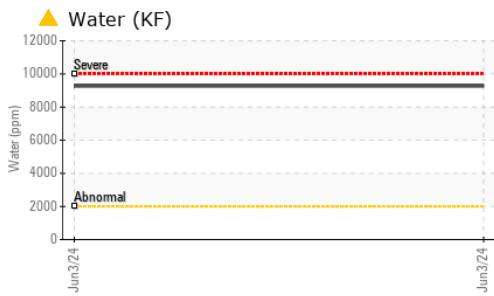
CONTAMINATION

Appearance is milky. There is a high concentration of water present in the oil. The high sodium (Na) level indicates the possible presence of salt water.

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		VPA062935	---	---
Sample Date		Client Info		03 Jun 2024	---	---
Machine Age	hrs	Client Info		293	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---
PQ		ASTM D8184		23	---	---
Iron	ppm	ASTM D5185m	>275	178	---	---
Chromium	ppm	ASTM D5185m	>4	<1	---	---
Nickel	ppm	ASTM D5185m	>4	<1	---	---
Titanium	ppm	ASTM D5185m	>3	0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>10	4	---	---
Lead	ppm	ASTM D5185m	>4	0	---	---
Copper	ppm	ASTM D5185m	>30	18	---	---
Tin	ppm	ASTM D5185m	>3	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>35	3	---	---
Potassium	ppm	ASTM D5185m	>20	5	---	---
Water	%	ASTM D6304	>0.2	▲ 0.927	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 9270	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	● MILKY	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	---	---
Sodium	ppm	ASTM D5185m		● 71	---	---
Boron	ppm	ASTM D5185m	400	224	---	---
Barium	ppm	ASTM D5185m	200	0	---	---
Molybdenum	ppm	ASTM D5185m	12	0	---	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m	12	30	---	---
Calcium	ppm	ASTM D5185m	150	69	---	---
Phosphorus	ppm	ASTM D5185m	1650	1323	---	---
Zinc	ppm	ASTM D5185m	125	87	---	---
Sulfur	ppm	ASTM D5185m	22500	26984	---	---
Visc @ 40°C	cSt	ASTM D445	109	108	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VPA062935 **Received** : 26 Jun 2024
Lab Number : 06221559 **Tested** : 27 Jun 2024
Unique Number : 11099756 **Diagnosed** : 28 Jun 2024 - Don Baldrige
Test Package : MOB 1 (Additional Tests: KF, PQ)

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 3600 HACIENDA BLVD UNIT G
 DAVIE, FL
 US 33314
 Contact: ASHANTI BURKE
 aburke@midflorida.com
 T: (954)761-1086
 F: (954)761-1186

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)