



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

[42438]

Machine Id

VOLVO A30G 752368

Component

Rear Axle

Fluid

VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP439810	---	---
Sample Date		Client Info		21 Jun 2024	---	---
Machine Age	hrs	Client Info		2288	---	---
Oil Age	hrs	Client Info		0	---	---
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.

Iron	ppm	ASTM D5185m	>900	240	---	---
Chromium	ppm	ASTM D5185m	>20	4	---	---
Nickel	ppm	ASTM D5185m	>10	2	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>30	1	---	---
Lead	ppm	ASTM D5185m	>50	<1	---	---
Copper	ppm	ASTM D5185m	>150	41	---	---
Tin	ppm	ASTM D5185m	>20	2	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

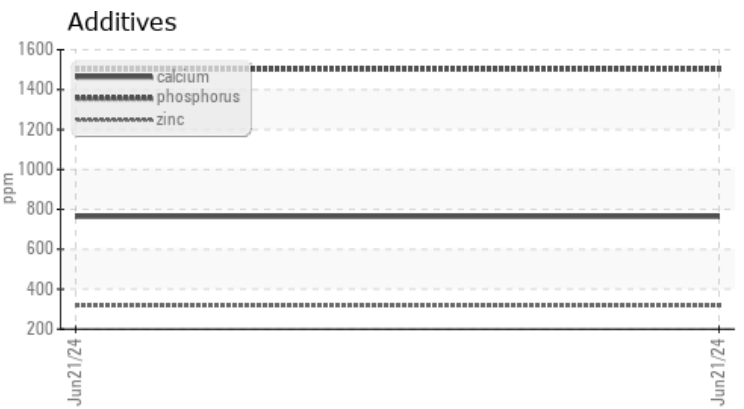
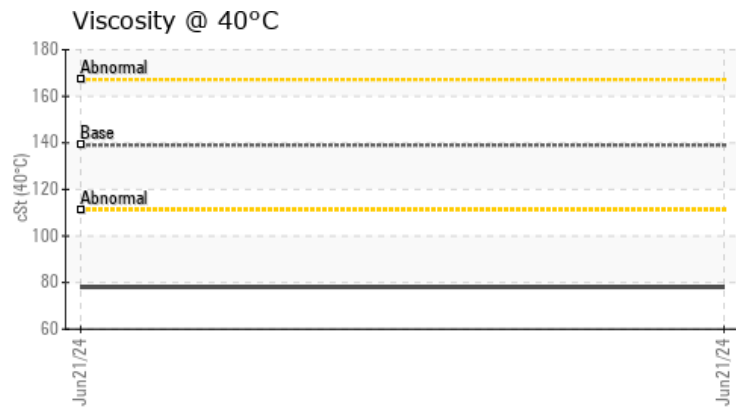
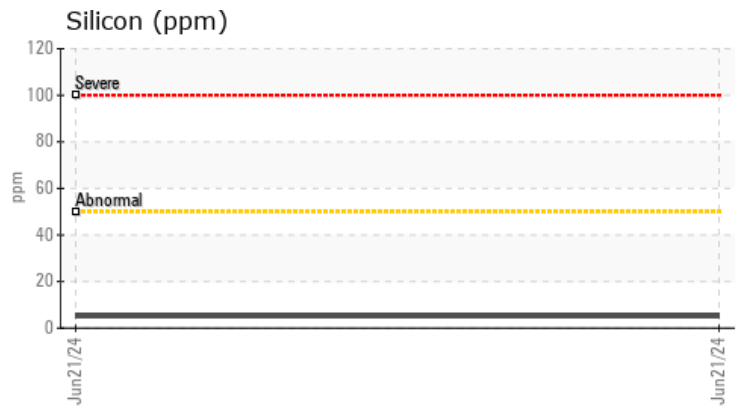
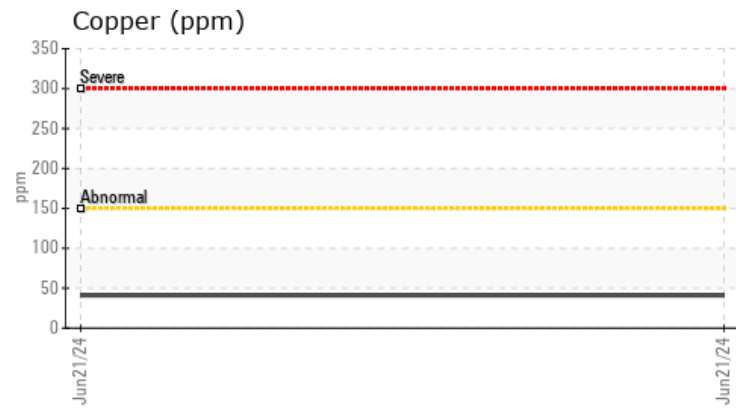
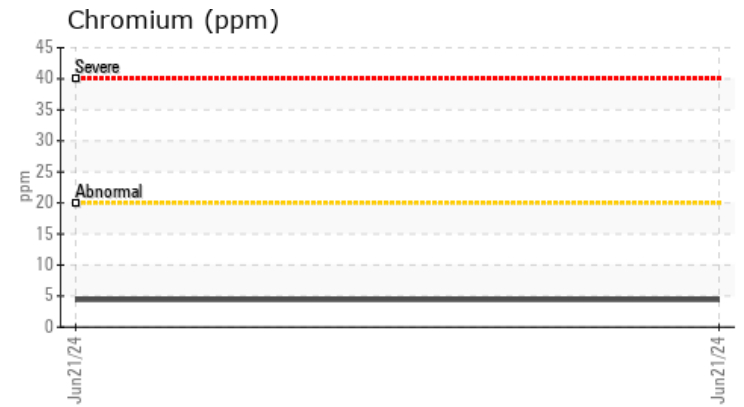
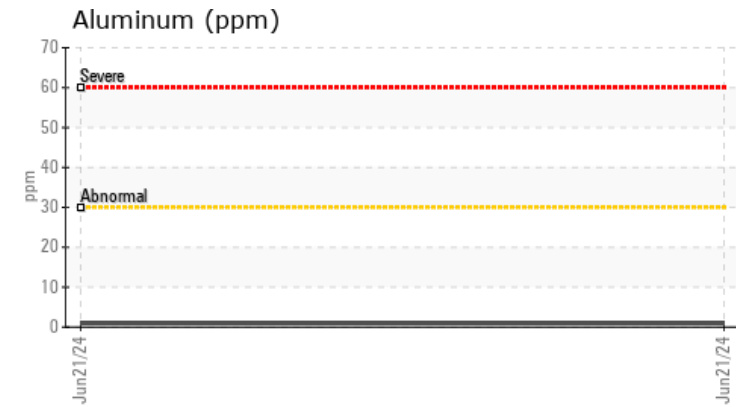
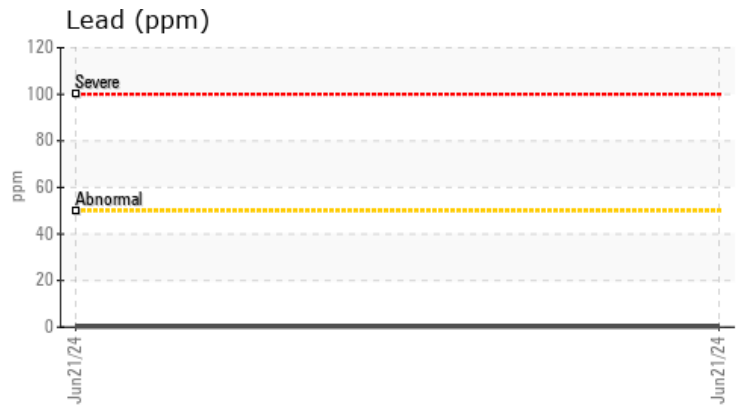
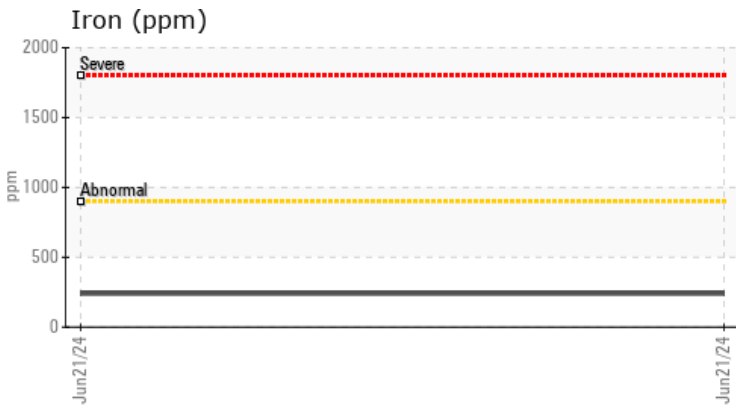
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	5	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	*Visual	NONE	LIGHT	---	---
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		2	---	---
Boron	ppm	ASTM D5185m	379	219	---	---
Barium	ppm	ASTM D5185m	0.0	3	---	---
Molybdenum	ppm	ASTM D5185m	0.8	10	---	---
Manganese	ppm	ASTM D5185m	0.0	9	---	---
Magnesium	ppm	ASTM D5185m	31	3	---	---
Calcium	ppm	ASTM D5185m	38	764	---	---
Phosphorus	ppm	ASTM D5185m	1077	1502	---	---
Zinc	ppm	ASTM D5185m	46	317	---	---
Sulfur	ppm	ASTM D5185m	23526	24063	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP439810
Lab Number : 06220467
Unique Number : 11098664
Test Package : MOB 1

215 - ASCENDUM MACHINERY INC - CAYCE
 2303 AIRPORT BLVD
 CAYCE, SC
 US 29033

Certificate L2367
 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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