



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[730443 TITAL AMERICA]

Machine Id
VOLVO L60H 622689

Component
Diesel Engine

Fluid
VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP450879	VCP436041	---
Sample Date		Client Info		21 Jun 2024	10 Nov 2023	---
Machine Age	hrs	Client Info		1697	564	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	140	138	---
Chromium	ppm	ASTM D5185m	>10	2	5	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>10	5	18	---
Lead	ppm	ASTM D5185m	>20	0	<1	---
Copper	ppm	ASTM D5185m	>15	2	9	---
Tin	ppm	ASTM D5185m	>10	0	2	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

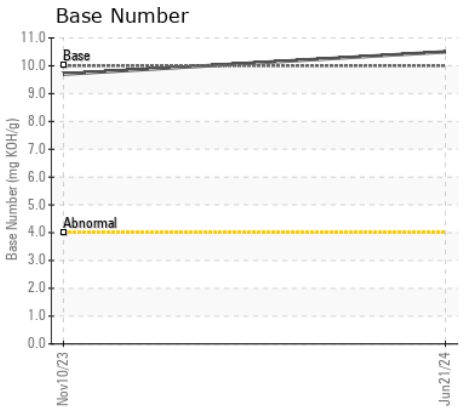
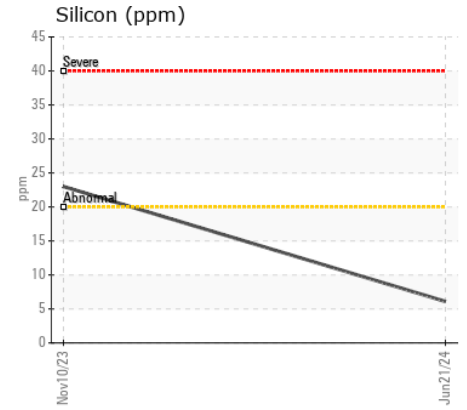
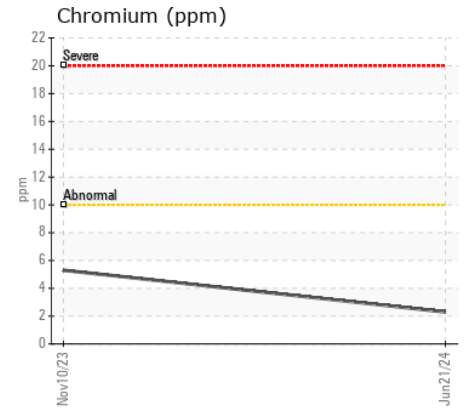
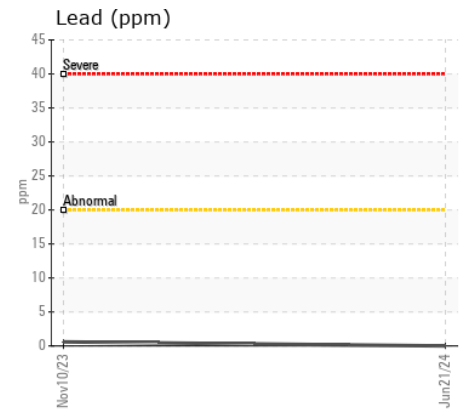
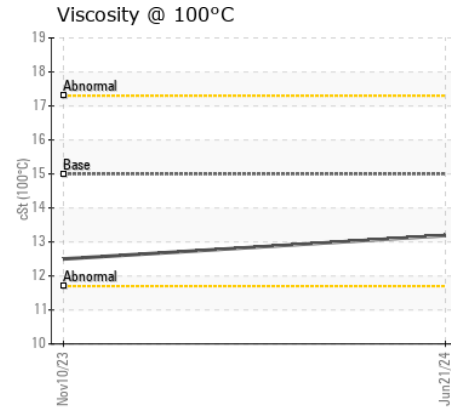
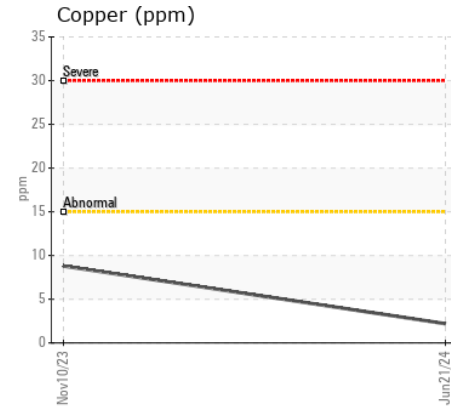
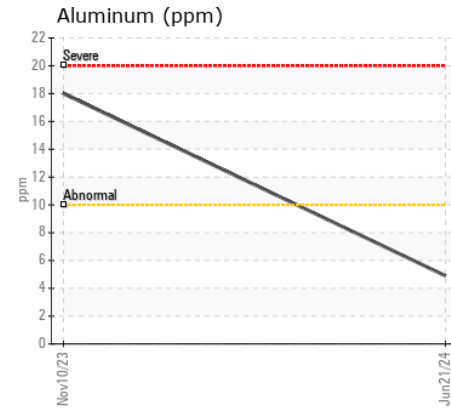
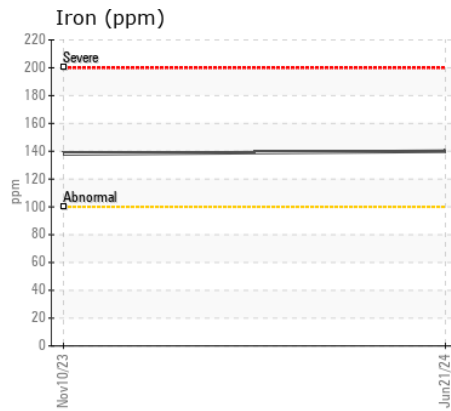
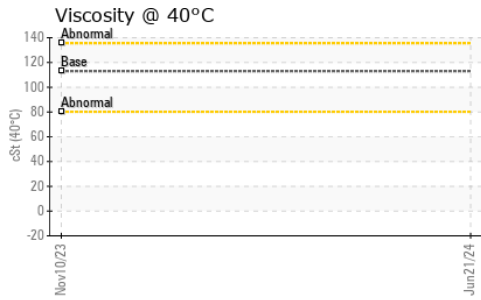
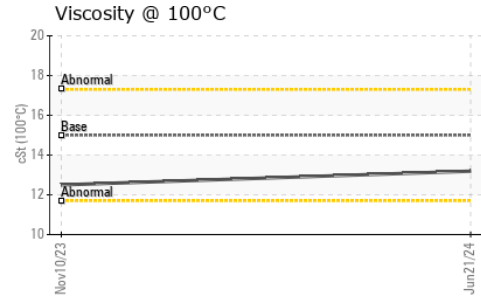
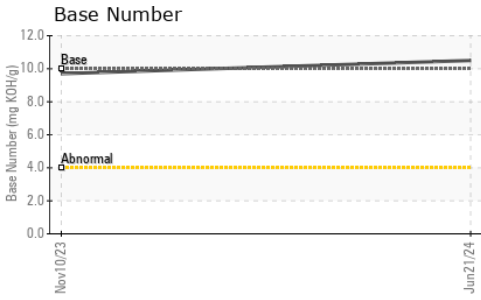
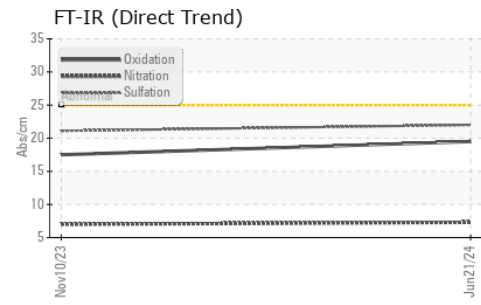
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	6	23	---
Potassium	ppm	ASTM D5185m	>20	0	3	---
Fuel		WC Method	>6.0	<1.0	<1.0	---
Water		WC Method	>0.1	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.4	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	7.3	7.0	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.0	21.1	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		3	2	---
Boron	ppm	ASTM D5185m	2.5	25	43	---
Barium	ppm	ASTM D5185m	0.0	<1	<1	---
Molybdenum	ppm	ASTM D5185m	0.7	39	40	---
Manganese	ppm	ASTM D5185m	0.0	2	6	---
Magnesium	ppm	ASTM D5185m	256	524	584	---
Calcium	ppm	ASTM D5185m	2057	1708	1533	---
Phosphorus	ppm	ASTM D5185m	935	923	909	---
Zinc	ppm	ASTM D5185m	1223	1105	1085	---
Sulfur	ppm	ASTM D5185m	4079	3109	3639	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5	17.5	---
Base Number (BN)	mg KOH/g	ASTM D2896	10	10.5	9.7	---
Visc @ 100°C	cSt	ASTM D445	15.0	13.19	12.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP450879 **Received** : 26 Jun 2024
Lab Number : 06221609 **Tested** : 01 Jul 2024
Unique Number : 11099806 **Diagnosed** : 01 Jul 2024 - Jonathan Hester
Test Package : MOB 1 (Additional Tests: KV40, TBN, VI)

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)

ALTA EQUIPMENT COMPANY

5210 REESE ROAD
 DAVIE, FL
 US 33314

Contact: N. FACEY
 nfacey@altaequipfl.com

T: (954)581-4744
 F: (954)583-0318