



McCLUNG-LOGAN
EQUIPMENT COMPANY, INC.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[TITAN MID ATLANTIC]
Machine Id
VOLVO A25G 752267
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		ML0000797	VCP393220	---
Sample Date		Client Info		08 Mar 2024	12 Apr 2023	---
Machine Age	hrs	Client Info		1950	435	---
Oil Age	hrs	Client Info		0	435	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	11	22	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	3	2	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>2	0	2	---
Aluminum	ppm	ASTM D5185m	>30	5	2	---
Lead	ppm	ASTM D5185m	>40	0	<1	---
Copper	ppm	ASTM D5185m	>20	8	48	---
Tin	ppm	ASTM D5185m	>20	0	3	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

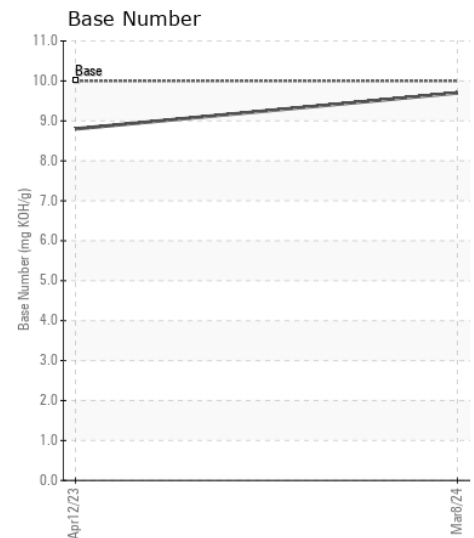
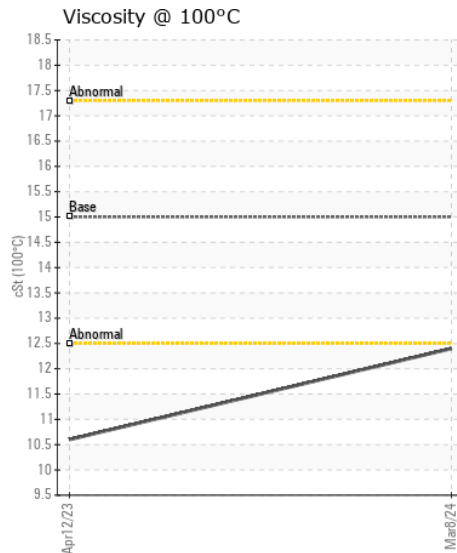
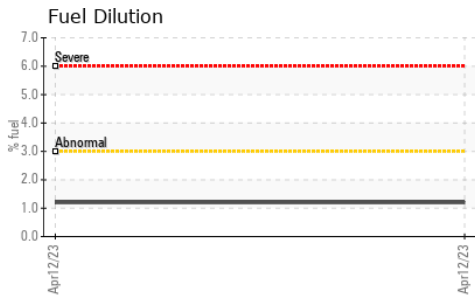
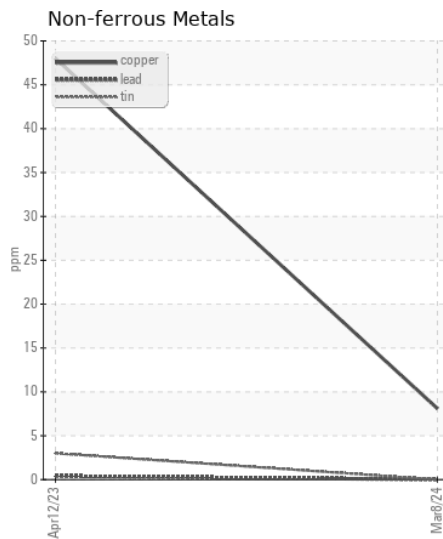
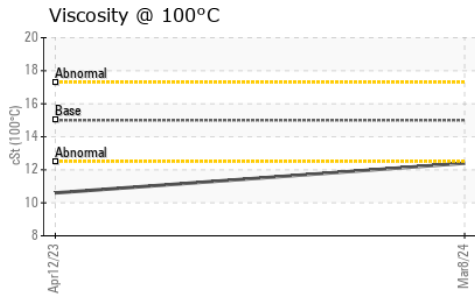
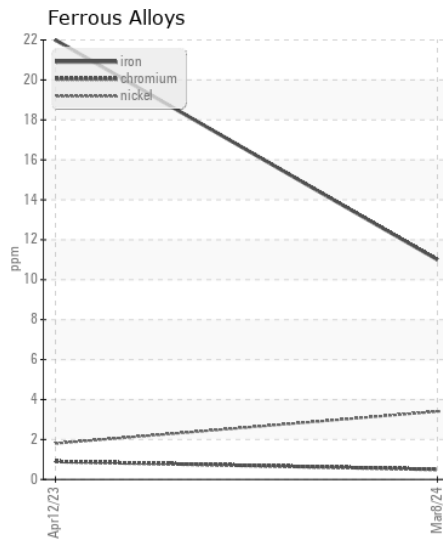
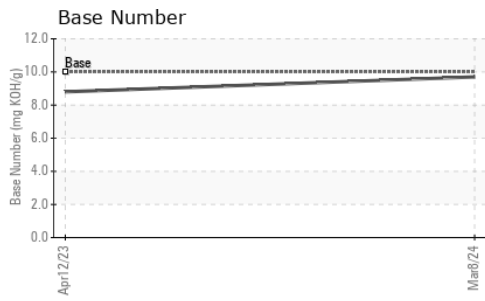
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	4	39	---
Potassium	ppm	ASTM D5185m	>20	9	4	---
Fuel	%	ASTM D3524	>3.0	<1.0	1.2	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.3	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	7.3	6.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.5	20.0	---
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	>0.2	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	41	114	---
Barium	ppm	ASTM D5185m	0.0	0	0	---
Molybdenum	ppm	ASTM D5185m	0.7	41	56	---
Manganese	ppm	ASTM D5185m	0.0	<1	4	---
Magnesium	ppm	ASTM D5185m	256	502	380	---
Calcium	ppm	ASTM D5185m	2057	1717	1702	---
Phosphorus	ppm	ASTM D5185m	935	927	1019	---
Zinc	ppm	ASTM D5185m	1223	1063	1202	---
Sulfur	ppm	ASTM D5185m	4079	3290	3672	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.1	15.8	---
Base Number (BN)	mg KOH/g	ASTM D2896	10	9.7	8.8	---
Visc @ 100°C	cSt	ASTM D445	15.0	12.4	10.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : ML0000797

Lab Number : 06122979

Unique Number : 10937130

Test Package : CONST (Additional Tests: FuelDilution, TBN)

Received : 19 Mar 2024

Tested : 20 Mar 2024

Diagnosed : 20 Mar 2024 - Jonathan Hester

MCCLUNG-LOGAN EQUIPMENT CO - CHESAPEAKE

4112 HOLLAND BLVD

CHESAPEAKE, VA

US 23323

Contact: TOMMY GRIFFIN

tgriffin@mcclung-logan.com

T: (757)485-3314

F: (757)485-3415

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)