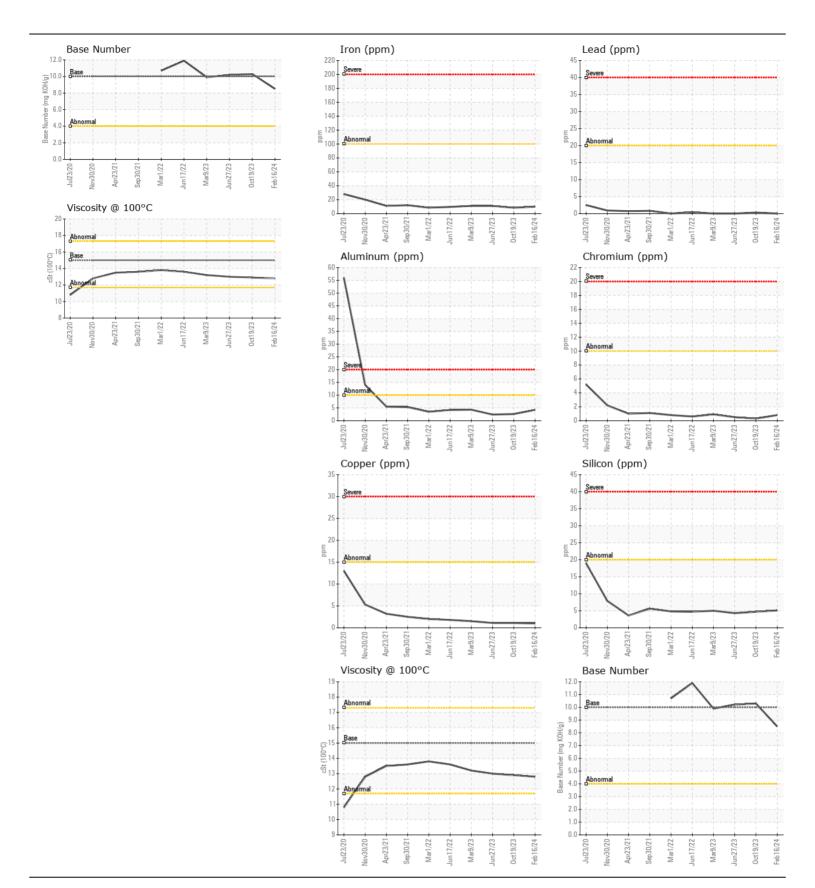
WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

Area [674462 MOSAIC] VOLVO L110H 12152



RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		VCP428739		VCP41559
	Sample Date		Client Info		16 Feb 2024	19 Oct 2023	27 Jun 202
	Machine Age	hrs	Client Info		6265	5794	5254
	Oil Age	hrs	Client Info		500	500	500
	Filter Age	hrs	Client Info		0	O Character of	O la constant
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed Sample Status		Client Info		Changed NORMAL	Changed NORMAL	Changed NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	10	8	11
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		4	3	2
	Lead	ppm	ASTM D5185m		0	<1	0
	Copper	ppm	ASTM D5185m		1	1	1
	Tin	ppm	ASTM D5185m	>10	<1	<1	<1
	Vanadium	ppm	ASTM D5185m	NONE	0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	visuai	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	5	5	4
	Potassium	ppm	ASTM D5185m	>20	10	0	0
There is no indication of any contamination in the oil.	Fuel		WC Method	>6.0	<1.0	<1.0	<1.0
	Water		WC Method	>0.1	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.4	0.3	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	7.9	7.8	7.9
	Sulfation	Abs/.1mm	*ASTM D7415		21.5	21.6	21.5
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		25	2	3
	Boron	ppm	ASTM D5185m	2.5	33	25	32
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m	0.0	0	0	0
	Molybdenum	ppm	ASTM D5185m	0.7	39	47	47
	Manganese	ppm	ASTM D5185m	0.0	<1	0	<1
	Magnesium	ppm	ASTM D5185m		436	541	536
	Calcium	ppm	ASTM D5185m	2057	1778	1702	1823
	Phosphorus	ppm	ASTM D5185m		903	1002	971
	Zinc	ppm	ASTM D5185m		1006	1207	1160
	Sulfur	ppm	ASTM D5185m		2746	3122	3463
		A la a / 1	*ACTM D7444	- 05	177	20.2	20.2
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414		17.7 8.5	20.2 10.3	20.3





Certificate L2367

Laboratory Sample No.

Lab Number : 06098199

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : VCP428739

Tested Unique Number : 10896429 Diagnosed Test Package : MOB 1 (Additional Tests: TBN)

Received

: 25 Feb 2024

: 23 Feb 2024

: 25 Feb 2024 - Wes Davis

8418 PALM RIVER ROAD TAMPA, FL US 33619

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC

Contact: JOHN FARDELLA john.fardella@altg.com T: (813)630-0077

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (813)630-2233