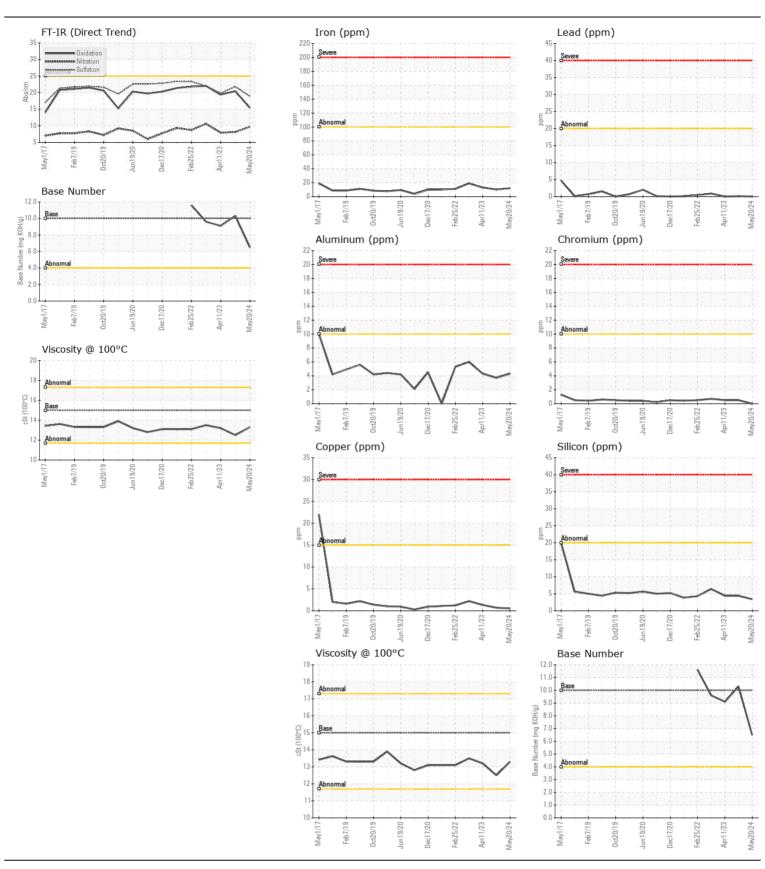
**WEAR** CONTAMINATION **FLUID CONDITION**  **NORMAL NORMAL** NORMAL

## [709681]

## VOLVO L110H 631226 Component Diesel Engine

	T4	11044	MadlaI	Library A.L.	O	1.15-4-0-4	I Bakaran
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number Sample Date		Client Info		VCP440334	VCP422697	VCP42027
	Machine Age	bro	Client Info		20 May 2024 13441	14 Jul 2023 12022	11 Apr 2023 11460
	Oil Age	hrs	Client Info		500	0	500
	Filter Age	hrs hrs	Client Info		0	0	0
	Oil Changed	1113	Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status		Olichi illio		NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	12	10	13
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	0	<1	<1
	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		4	4	4
	Lead	ppm	ASTM D5185m		0	<1	0
	Copper	ppm	ASTM D5185m		<1	<1	1
	Tin	ppm	ASTM D5185m	>10	0	<1	0
	Vanadium	ppm	ASTM D5185m	NONE	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	3	4	4
	Potassium	ppm	ASTM D5185m		<1	<1	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	0.3	0.3	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	9.7	8.1	7.9
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.9	21.8	19.8
	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		1	2	2
	Boron	ppm	ASTM D5185m	2.5	23	28	25
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
	Molybdenum	ppm	ASTM D5185m		66	44	48
	Manganese	ppm		0.0	0	<1	<1
	Magnesium	ppm	ASTM D5185m		239	560	592
	Calcium	ppm	ASTM D5185m		1991	1739	1687
	Phosphorus	ppm	ASTM D5185m	935	1003	1018	980
	Zinc	ppm	ASTM D5185m	1223	1155	1247	1186
	Sulfur	ppm	ASTM D5185m	4079	3903	3978	3625
	Oxidation	Abs/.1mm	*ASTM D7414		15.4	20.4	19.4
	Base Number (BN)	mg KOH/g	ASTM D2896	10	6.5	10.3	9.1
	Visc @ 100°C	cSt	ASTM D445	1	13.3	12.5	13.2





Certificate L2367

Report Id: RIPTAM [WUSCAR] 06214320 (Generated: 06/21/2024 13:21:49) Rev: 1

Laboratory Sample No.

: VCP440334 Lab Number : 06214320 Unique Number : 11087184

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Jun 2024 **Tested** : 20 Jun 2024

Diagnosed : 20 Jun 2024 - Wes Davis Test Package : MOB 1 ( Additional Tests: TBN )

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)

Contact: PM Services PMServices@ripaconstruction.com T:

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