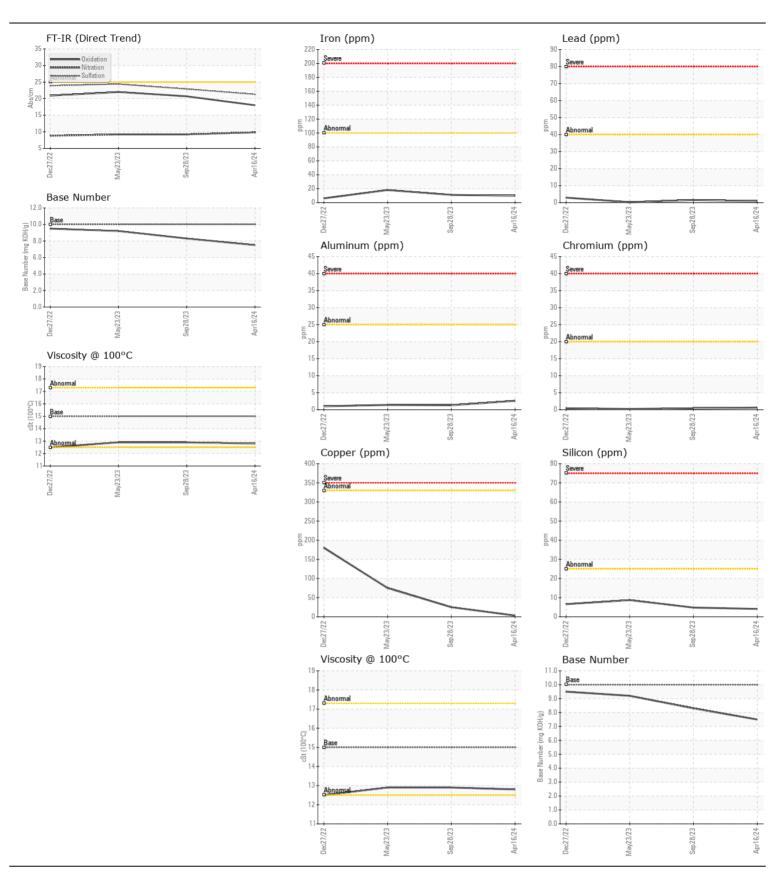
Machine Id **VOLVO A45G 353131**

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		VCP437318	VCP395878	VCP423310
	Sample Date		Client Info		16 Apr 2024	28 Sep 2023	23 May 202
	Machine Age	hrs	Client Info		3526	2371	1667
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	N/A
	Sample Status				NORMAL	NORMAL	ABNORMA
VEAR	Iron	ppm	ASTM D5185m	>100	10	11	18
	Chromium	ppm	ASTM D5185m		<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		2	3	<u>4</u> 9
	Titanium	ppm	ASTM D5185m		- <1	0	<1
	Silver	ppm	ASTM D5185m	>2	<1	0	0
	Aluminum	ppm	ASTM D5185m		3	1	1
	Lead	ppm	ASTM D5185m		<1	2	<1
	Copper	ppm	ASTM D5185m		3	25	75
	Tin	ppm	ASTM D5185m		1	1	1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon		ASTM D5185m	. 05	Δ	<i>E</i>	0
	Potassium	ppm	ASTM D5185m		4 2	5 3	9
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method			<1.0	<1.0
	Water		WC Method		<1.0 NEG	NEG	NEG
	Glycol		WC Method	>0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	. 2	0.5	0.6	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	9.8	9.2	9.2
	Sulfation	Abs/.1mm	*ASTM D7024		21.3	22.9	24.4
	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	NORMI
	Odor	scalar	*Visual	NORML	NORML	NORML	NORMI
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	0 "		40TM DE405		• • • • • • • • • • • • • • • • • • • •		
LUID CONDITION	Sodium	ppm	ASTM D5185m	0.5	2	5	3
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		7	13	26
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		57	38	50
	Manganese Magnesium	ppm	ASTM D5185m ASTM D5185m		<1 748	1 440	<1 538
	Calcium	ppm	ASTM D5185m		748 1299	1294	1803
	Phosphorus	ppm	ASTM D5185m		1056	748	925
	Zinc	ppm	ASTM D5185m		1215	882	1137
	Sulfur	ppm	ASTM D5185m		3131	2223	3289
	Oxidation	ppm Abs/.1mm	*ASTM D5165III		18.0	20.7	22.0
	Base Number (BN)		ASTM D2896		7.5	8.3	9.2
	Dase Hulling (DIV)	my NOTI/	MO 1 IVI D2030	10	7.5	0.0	0.2







Laboratory

Sample No.

Lab Number : 06154045 Unique Number : 10989468

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : VCP437318

Received **Tested** Diagnosed

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: 19 Apr 2024 : 22 Apr 2024

: 22 Apr 2024 - Wes Davis

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905

ALTA EQUIPMENT COMPANY

Test Package : MOB 1 (Additional Tests: TBN) Contact: TODD LARK Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. tlark@altaequipfl.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

F: (239)481-3302

T: