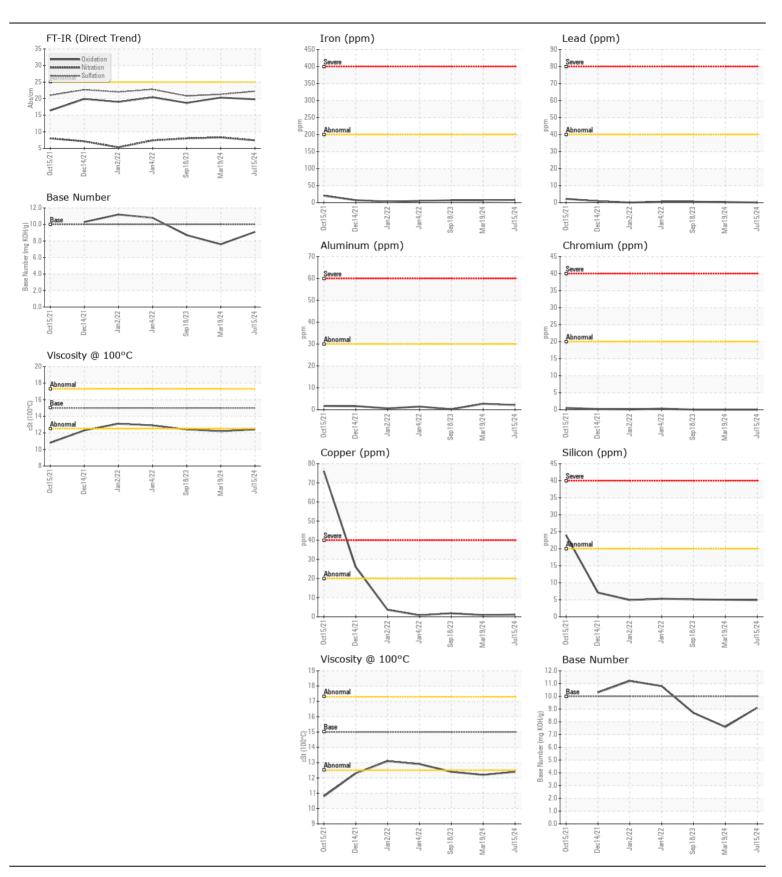
Machine Id

VOLVO A40G 352780 Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		VCP451216	VCP445657	VCP05957356
Resample at the next service interval to monitor.	Sample Date		Client Info		15 Jul 2024	19 Mar 2024	18 Sep 2020
	Machine Age	hrs	Client Info		4674	4328	3652
	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	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>200	8	6	6
	Chromium	ppm	ASTM D5185m	>20	0	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	<1	2	2
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>30	2	3	<1
	Lead	ppm	ASTM D5185m	>40	0	<1	<1
	Copper	ppm	ASTM D5185m	>20	1	<1	2
	Tin	ppm	ASTM D5185m	>20	0	0	<1
	Vanadium	ppm	ASTM D5185m		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	5	5	5
SONTAIIIINATION	Potassium	ppm	ASTM D5185m		0	0	2
There is no indication of any contamination in the oil.	Fuel	pp	WC Method		<1.0	<1.0	0.7
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.1	0.2	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	7.4	8.3	8.0
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2	21.3	20.8
	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	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	1	2
	Boron	ppm	ASTM D5185m	2.5	34	27	35
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		39	50	50
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m		478	510	558
	Calcium	ppm	ASTM D5185m	2057	1677	1750	1852
	Phosphorus	ppm	ASTM D5185m		910	938	936
	Zinc	ppm	ASTM D5185m		1031	1092	1158
	Sulfur	ppm	ASTM D5185m		3158	3367	3452
	Oxidation	Abs/.1mm	*ASTM D7414		19.8	20.3	18.7
	Base Number (BN)				9.1	7.6	8.7
	Visc @ 100°C	cSt	ASTM D445		12.4	12.2	12.4





Certificate L2367

Laboratory Sample No. Lab Number

: VCP451216

: 06241285 Unique Number : 11130119

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 19 Jul 2024 : 20 Jul 2024 Diagnosed

: 20 Jul 2024 - Wes Davis

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

ALTA EQUIPMENT COMPANY

Contact: TODD LARK tlark@altaequipfl.com T:

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.

F: (239)481-3302 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)