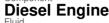
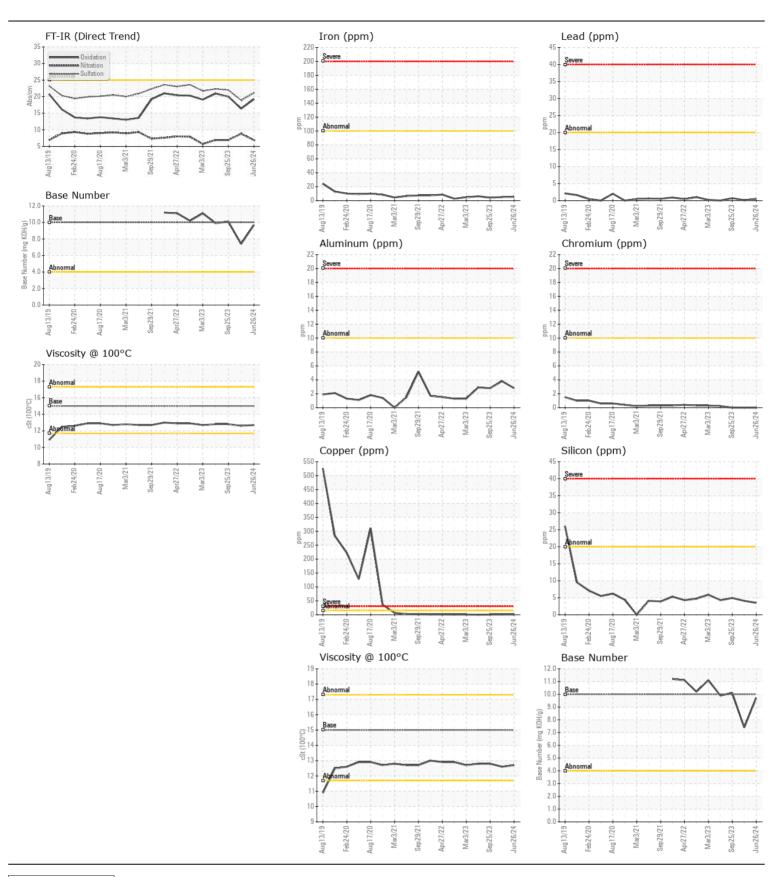
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

[SWO073151]

VOLVO A60H 350021 Component Diesel Engine



RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		VCP450578		VCP427434
	Sample Date		Client Info		26 Jun 2024	15 Feb 2024	25 Sep 2023
	Machine Age	hrs	Client Info		8427	7887	7398
	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
WEAR	Iron	ppm	ASTM D5185m	>100	5	5	4
WEAT	Chromium	ppm	ASTM D5185m		0	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm	ASTM D5185m	7.0	0	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m		3	4	3
	Lead	ppm	ASTM D5185m		<1	<1	<1
	Copper	ppm	ASTM D5185m		1	1	<1
	Tin	ppm	ASTM D5185m		<1	0	<1
	Vanadium	ppm	ASTM D5185m		0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		4	4	5
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		2	0	<1
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.1	NEG	NEG	NEG
	Glycol	0.4	WC Method	0	NEG	NEG	NEG
	Soot %	% Aba/am	*ASTM D7844		0.2	0.2	0.3
	Nitration Sulfation	Abs/.1mm	*ASTM D7624 *ASTM D7415	>20	6.9 21.1	8.8 18.9	6.9 22.0
	Silt		*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	2	4
The BN regult indicates that there is suitable alliability remaining in the	Boron	ppm	ASTM D5185m	2.5	56	74	51
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		50	100	43
	Manganese	ppm	ASTM D5185m		0	0	<1
	Magnesium	ppm	ASTM D5185m		509	632	554
	Calcium	ppm	ASTM D5185m	2057	1735	1447	1851
	Phosphorus	ppm	ASTM D5185m		969	786	997
	Zinc	ppm	ASTM D5185m		1131	902	1220
	Sulfur	ppm	ASTM D5185m		3526	3261	3070
	Oxidation	Abs/.1mm	*ASTM D7414		19.2	16.4	20.0
	Base Number (BN)				9.7	7.4	10.1
	Visc @ 100°C	cSt	ASTM D445	15.0	12.7	12.6	12.8





Laboratory

Sample No.

: VCP450578 Lab Number : 06229786 Unique Number: 11113279

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

Diagnosed

: 08 Jul 2024 : 09 Jul 2024 : 09 Jul 2024 - Sean Felton SAIIA CONSTRUCTION LLC 4400 LEWISBURG RD

BIRMINGHAM, AL US 35207

Contact: STEPHANI BRITTON sbritton@saiia.com;doug.bogart@wearcheck.com

T: (205)943-2268 F: (205)943-2269

Test Package : MOB 1 (Additional Tests: TBN) Certificate L2367 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)