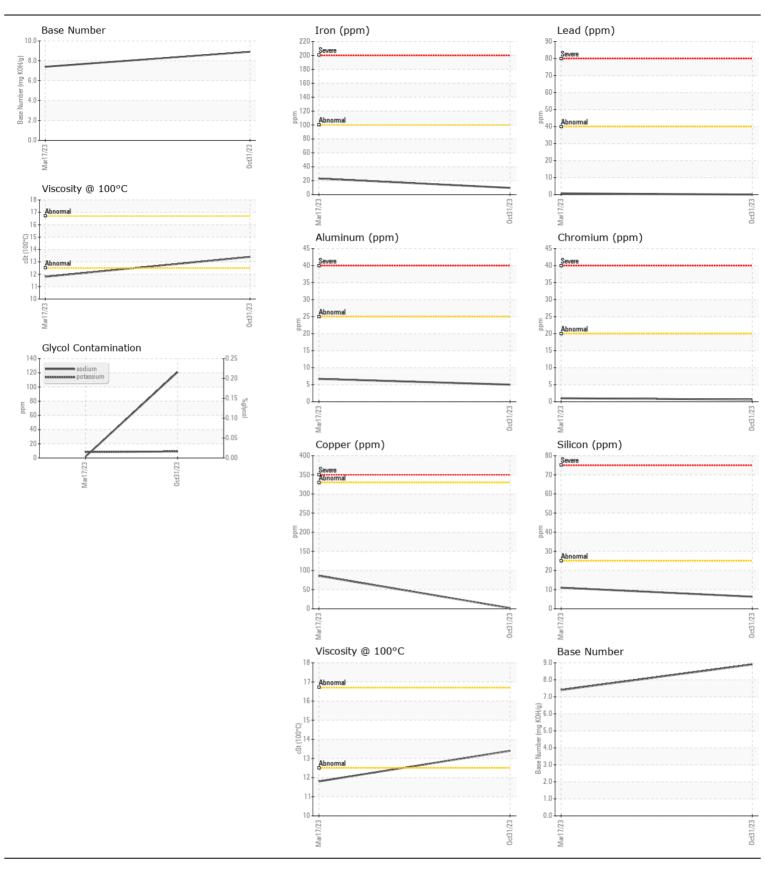
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL ATTENTION

VOLVO EC950F 410081

Component Diesel Engine							
{not provided} (GAL)							
	T4		N.A. atlanta	Line is / A leas		I Batawal	Lister O
RECOMMENDATION The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		VCP412780	VCP393284 17 Mar 2023	
	Sample Date	bro			31 Oct 2023	17 Mar 2023	
	Machine Age	hrs	Client Info		2973		
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	N/A	
	Filter Changed		Client Info		N/A	N/A	
<u></u>	Sample Status				ATTENTION	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>100	10	23	
All component wear rates are named	Chromium	ppm	ASTM D5185m	>20	<1	1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>2	3	3	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>2	0	0	
	Aluminum	ppm	ASTM D5185m	>25	5	7	
	Lead	ppm	ASTM D5185m	>40	0	<1	
	Copper	ppm	ASTM D5185m	>330	2	86	
	Tin	ppm	ASTM D5185m	>15	<1	2	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	> 25	6	11	
CONTAININATION	Potassium	ppm	ASTM D5185m		9	8	
Sodium and/or potassium levels are high. Test for glycol is negative.	Fuel	ррпп	WC Method	>6.0	<1.0	1.1	
	Water		WC Method		NEG	NEG	
	Glycol	%	*ASTM D2982	70.L	NEG	NEG	
	Soot %	%	*ASTM D7844	\3	1.1	1.3	
	Nitration	Abs/cm	*ASTM D7624	>20	9.1	10.4	
	Sulfation	Abs/.1mm	*ASTM D7415		22.6	23.2	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.2	NEG	NEG	
ELUID CONDITION							
FLUID CONDITION	Sodium	ppm	ASTM D5185m		121	2	
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		132	125	
oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		<1	2	
	Molybdenum	ppm	ASTM D5185m		92	79	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		673	505	
	Calcium	ppm	ASTM D5185m		1464	1740	
	Phosphorus	ppm	ASTM D5185m		807	741	
	Zinc	ppm	ASTM D5185m		990	892	
	Sulfur	ppm	ASTM D5185m	0.5	3206	2653	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	17.2	
	Base Number (BN) Visc @ 100°C				8.9	7.4	
		cSt	ASTM D445		13.4	11.8	





Certificate L2367

Laboratory Sample No. Unique Number: 10723720

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 05995360

: VCP412780

Received **Tested** Diagnosed

: 01 Nov 2023 : 03 Nov 2023

: 03 Nov 2023 - Jonathan Hester Test Package : MOB 1 (Additional Tests: Glycol, TBN)

403 - ASCENDUM MACHINERY INC - FARGO

3739 38TH ST SW, SUITE E FARGO, ND US 58104

Contact: JESSE SCHEELE jesse.scheele@ascendummachinery.com

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: (701)356-4072 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: