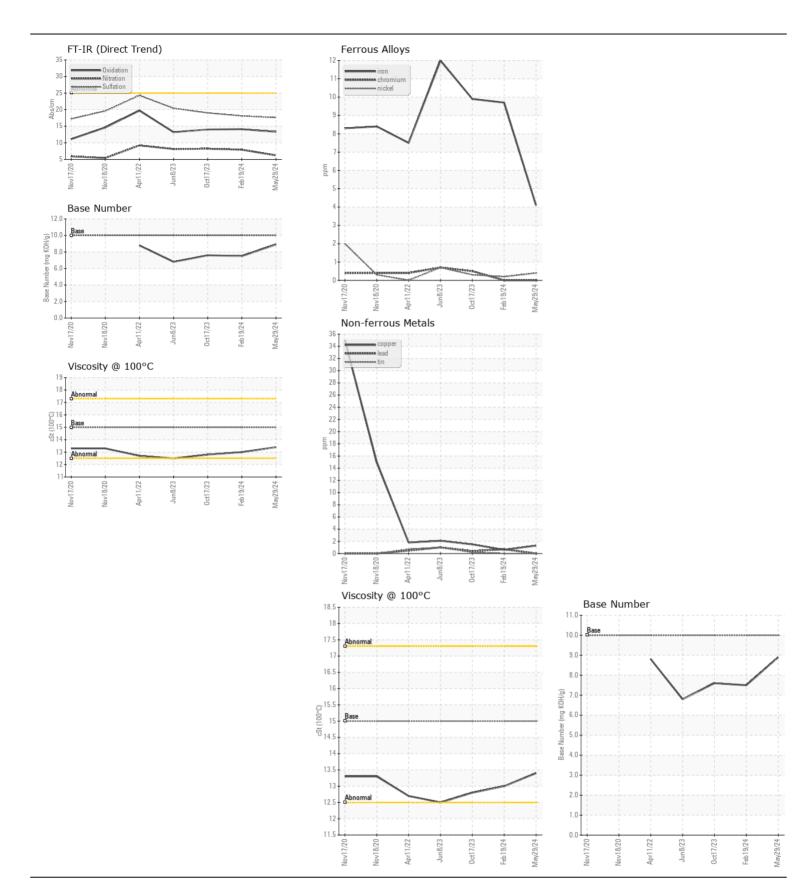
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

Machine Id **VOLVO A45G FS A45G352226**

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		ASC0011088	ASC0008600	VCP44312
	Sample Date		Client Info		29 May 2024	19 Feb 2024	17 Oct 202
	Machine Age	hrs	Client Info		5424	5007	4254
	Oil Age	hrs	Client Info		417	753	0
	Filter Age	hrs	Client Info		417	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	>100	4	10	10
	Chromium	ppm	ASTM D5185m	>20	0	0	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	<1
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m		2	2	2
	Lead	ppm	ASTM D5185m		0	<1	<1
	Copper	ppm	ASTM D5185m	>330	1	<1	2
	Tin	ppm	ASTM D5185m		0	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	>25	3	4	4
	Potassium	ppm	ASTM D5185m		2	0	0
There is no indication of any contamination in the oil.	Fuel	pp	WC Method		- <1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	7 0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.2	0.4	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	6.2	7.9	8.2
	Sulfation	Abs/.1mm	*ASTM D7415		17.6	18.1	19.0
	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
LUID CONDITION	Sodium	ppm	ASTM D5185m		2	2	1
	Boron	ppm	ASTM D5185m	2.5	4	6	1
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		58	55	56
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m		951	1028	918
	Calcium	ppm	ASTM D5185m		1084	1207	1165
	Phosphorus	ppm	ASTM D5185m		1088	1111	975
	Zinc	ppm	ASTM D5185m		1276	1263	1289
	Sulfur	ppm	ASTM D5185m		3731	3330	3131
	Oxidation	Abs/.1mm	*ASTM D7414		13.3	14.1	14.0
	Base Number (BN)		ASTM D2896		8.9	7.5	7.6







Certificate L2367

Laboratory Sample No.

Lab Number : 06212747

: ASC0011088

Received **Tested** Unique Number : 11085611 Diagnosed Test Package : CONST (Additional Tests: TBN)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 17 Jun 2024 : 19 Jun 2024

: 19 Jun 2024 - Angela Borella

117 - ASCENDUM MACHINERY INC - GREENVILLE

2002 N GREENE ST GREENVILLE, NC

US 27834 Contact: ALLEN WILLIAMS

To discuss this sample report, contact Customer Service at 1-800-237-1369. allen.williams@ascendummachinery.com T:

* - 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)

F: (704)494-8197

Submitted By: GAGE PARRISH