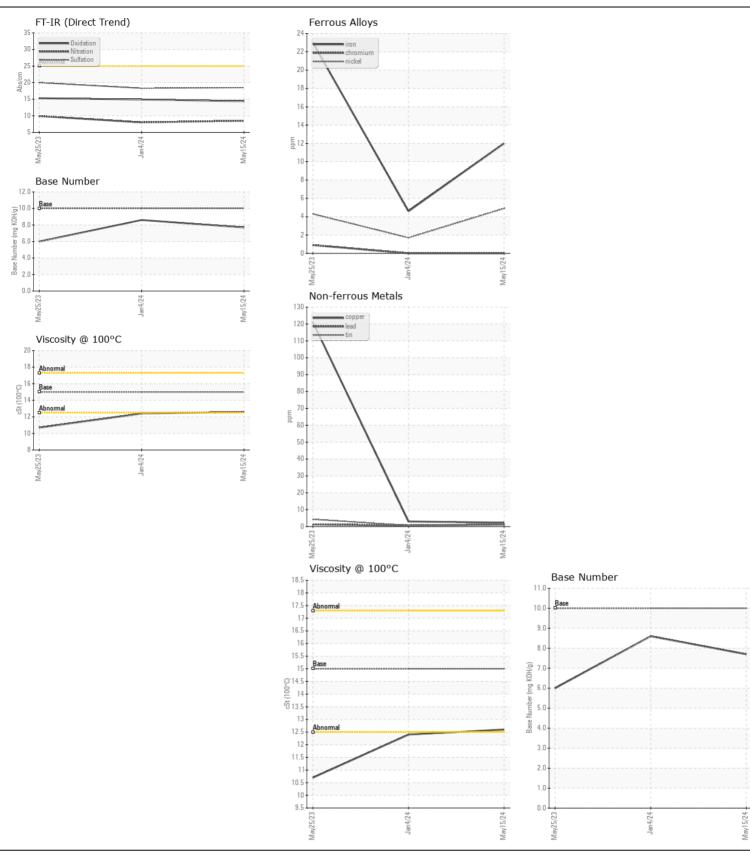
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**



Machine Id **VOLVO A45G 353449**

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		ASC0011371		VCP420382
Resample at the next service interval to monitor.	Sample Date		Client Info		15 May 2024	04 Jan 2024	25 May 2023
	Machine Age	hrs	Client Info		2042	1406	465
	Oil Age	hrs	Client Info		1101	941	465
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	Changed
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	ATTENTION	ATTENTION
VEAR	Iron	ppm	ASTM D5185m	>100	12	5	23
WEAR	Chromium	ppm	ASTM D5185m		0	0	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		5	2	4
	Titanium	ppm	ASTM D5185m	72	0	0	<1
	Silver	ppm	ASTM D5185m	\2	0	0	0
	Aluminum		ASTM D5185m		2	0	1
	Lead	ppm	ASTM D5185m		1	<1	1
	Copper	ppm ppm	ASTM D5185m		2	3	121
	Tin	ppm	ASTM D5185m		2	<1	4
	Vanadium	ppm	ASTM D5185m	713	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		5	3	28
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		2	<1	<1
	Fuel		WC Method		<1.0	<1.0	0.9
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method	-	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.3	0.3	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	8.5	8.0	9.9
	Sulfation	Abs/.1mm	*ASTM D7415		18.5	18.3	20.0
	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	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m		2	<1	4
The DNI was difficulty at the state of the S	Boron	ppm	ASTM D5185m	2.5	5	3	49
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m	0.0	0	0	0
	Molybdenum	ppm	ASTM D5185m	0.7	59	49	83
	Manganese	ppm	ASTM D5185m	0.0	<1	0	2
	Magnesium	ppm	ASTM D5185m	256	890	773	36
	Calcium	ppm	ASTM D5185m	2057	1088	1032	2140
	Phosphorus	ppm	ASTM D5185m	935	1033	893	974
	Zinc	ppm	ASTM D5185m	1223	1203	1151	1213
	Sulfur	ppm	ASTM D5185m	4079	3462	2688	4447
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	14.9	15.3
	Base Number (BN)	mg KOH/g	ASTM D2896	10	7.7	8.6	6.0
	Visc @ 100°C	cSt	ASTM D445			12.4	10.7





Certificate L2367

Report Id: VOLVO8769 [WUSCAR] 06193727 (Generated: 05/30/2024 22:05:41) Rev: 1

Laboratory Sample No. Unique Number : 11050479

Lab Number : 06193727

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ASC0011371

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

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

: 29 May 2024 : 30 May 2024

: 30 May 2024 - Sean Felton

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. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. allen.williams@ascendummachinery.com T:

Submitted By: RYAN ZEBALLOS

F: (704)494-8197