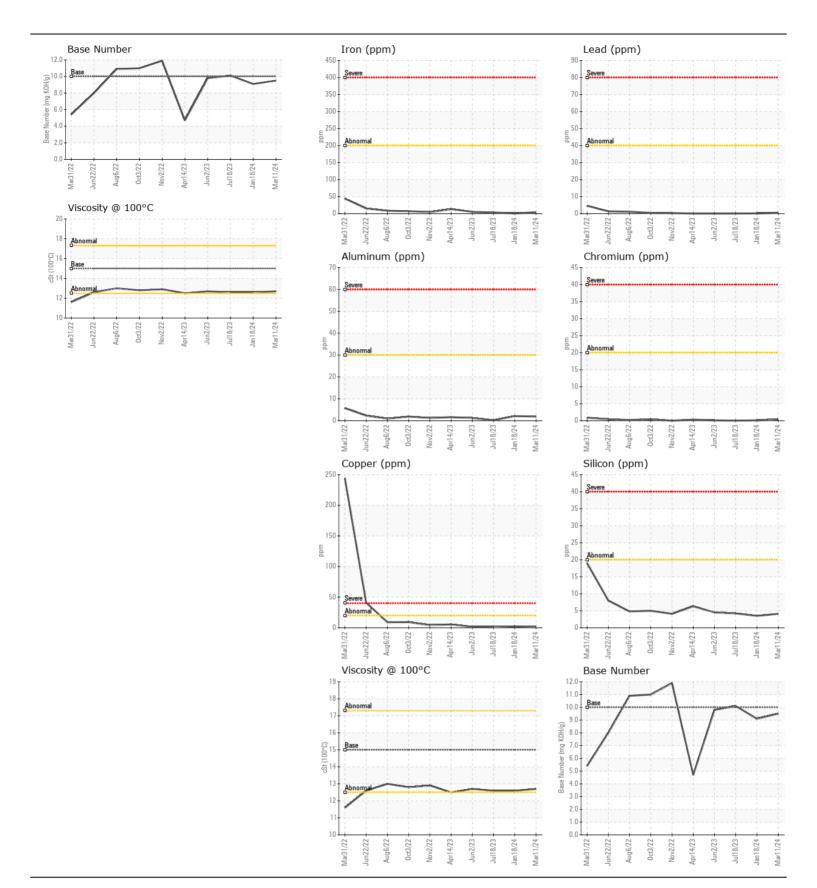
**WEAR CONTAMINATION FLUID CONDITION** 

**NORMAL NORMAL** NORMAL

## [49139 SUWANNEE] **VOLVO L180H 5496**



RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
1200 Miller BATTON	Sample Number		Client Info		VCP453948	VCP438161	VCP41281
Resample at the next service interval to monitor.	Sample Date		Client Info		11 Mar 2024	18 Jan 2024	18 Jul 202
	Machine Age	hrs	Client Info		14089	13222	11082
	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	>200	4	<1	3
	Chromium	ppm	ASTM D5185m	>20	<1	<1	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	0
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m		2	2	<1
	Lead	ppm	ASTM D5185m		- <1	<1	0
	Copper	ppm	ASTM D5185m	>20	2	2	1
	Tin	ppm	ASTM D5185m		<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	4	4	4
	Potassium	ppm	ASTM D5185m	>20	2	0	0
There is no indication of any contamination in the oil.	Fuel		WC Method	>6.0	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.2	0.2	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	7.6	7.8	7.1
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	21.1	21.6
	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		2	0	3
The PN regult indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m	2.5	21	33	39
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	0.7	43	39	43
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	256	599	484	527
	Calcium	ppm	ASTM D5185m	2057	1470	1581	1778
	Phosphorus	ppm	ASTM D5185m	935	965	884	952
	Zinc	ppm	ASTM D5185m		1131	1055	1128
	Sulfur	ppm	ASTM D5185m		3268	2641	3494
	Oxidation	Abs/.1mm	*ASTM D7414		19.3	19.7	20.0
	Base Number (BN)	mg KOH/g	ASTM D2896	10	9.5	9.1	10.1
	Base Number (BN) Visc @ 100°C	mg KOH/g cSt	ASTM D2896 ASTM D445		9.5 12.7	9.1 12.6	







Certificate L2367

Laboratory Unique Number: 10937606

Sample No. Lab Number : 06123455

: VCP453948

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Mar 2024 **Tested** 

: 21 Mar 2024 : 21 Mar 2024 - Wes Davis Diagnosed

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD

TAMPA, FL US 33619 Contact: KENNY HANEY

khaney@flaglerce.com T: (813)630-0077

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.

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

F: (813)630-2233