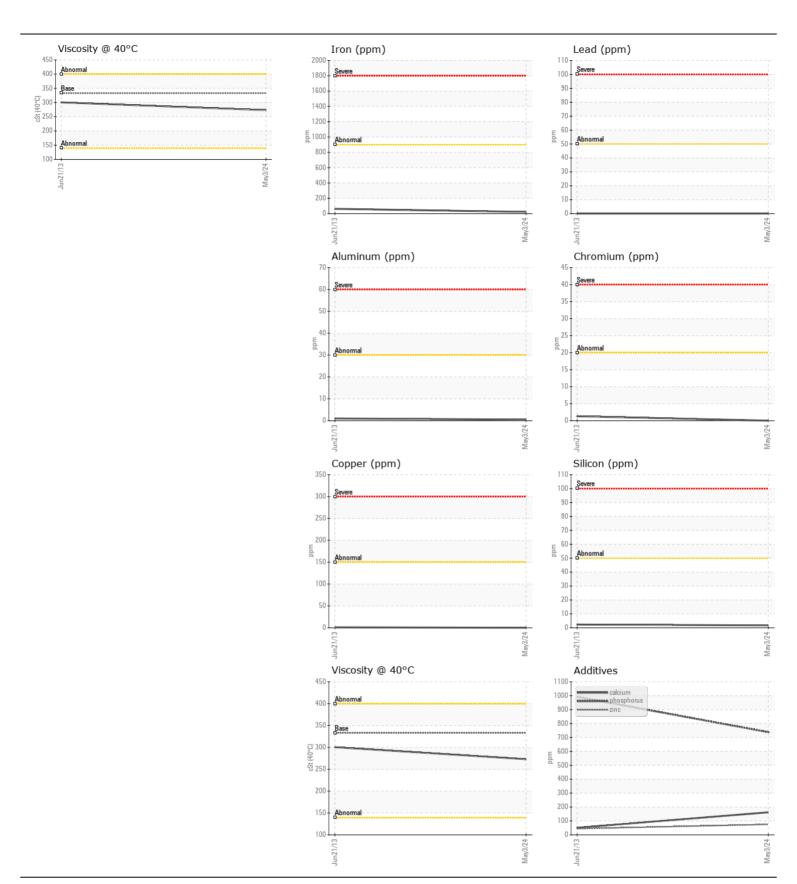
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

[5520DR KINSLEY] **VOLVO A40E 13563**

Front Axle

W-140 GL-		·····				
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP431872	VCP146863	
Sample Date		Client Info		03 May 2024	21 Jun 2013	
Machine Age	hrs	Client Info		13358	2149	
Oil Age	hrs	Client Info		1000	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
Iron	ppm	ASTM D5185m	>900	21	62	
Chromium	ppm	ASTM D5185m	>20	0	1	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		0	1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>30	<1	1	
Lead	ppm	ASTM D5185m	>50	0	0	
Copper	ppm	ASTM D5185m	>150	0	1	
Tin	ppm	ASTM D5185m	>20	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	LIGHT	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	nnm	ASTM D5185m	>50	2	2	
	ррпп					
	scalar					
Odor	scalar	*Visual		NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Sodium	nnm	ΔSTM D5185m		_1	_1	
			111			
					0	
Manganese	ppm	ASTM D5185m		<1	3	
	4.1				0	
Magnesium	ppm	ASTM D5185m	39	9	U	
Magnesium Calcium	ppm ppm	ASTM D5185m ASTM D5185m		9 162	51	
_			93			
Calcium	ppm	ASTM D5185m	93 920	162	51	
Calcium Phosphorus	ppm	ASTM D5185m ASTM D5185m	93 920	162 738	51 992	
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water Silt scalar Seand/Dirt scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm	Sample Number Sample Date Machine Age Oil Age hrs Client Info Oil Age hrs Client Info Oil Age hrs Client Info Oil Changed Filter Changed Sample Status Iron Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m Visual Yellow Metal Scalar Yvisual Silicon ppm ASTM D5185m Water WC Method Silt Scalar Potassium ppm ASTM D5185m Vacalar Visual Sand/Dirt Scalar Appearance Scalar Visual Sand/Dirt Scalar Appearance Scalar Scalar Visual Sand/Dirt Scalar Appearance Scalar Scalar Avisual Sand/Dirt Scalar Appearance Scal	Sample Number Sample Date Client Info Machine Age Inrs Client Info Oil Age Inrs Client Info Client Info Oil Age Inrs Client Info Client Info Oil Changed Client Info Filter Age Oil Changed Filter Changed Sample Status Iron Iron	Sample Number Client Info VCP431872 Sample Date Client Info 03 May 2024 Machine Age hrs Client Info 13358 Oil Age hrs Client Info 1000 Filter Age hrs Client Info 0 Oil Changed Client Info N/A Filter Changed Client Info N/A Sample Status NORMAL Iron ppm ASTM D5185m >900 21 Chromium ppm ASTM D5185m >20 0 Nickel ppm ASTM D5185m >10 0 Titanium ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >30 <1	Sample Number Client Info VCP431872 VCP146863 Sample Date Client Info 03 May 2024 21 Jun 2013 Machine Age hrs Client Info 13358 2149 Oil Age hrs Client Info 1000 0 Filter Age hrs Client Info 0 0 Oil Changed Client Info N/A N/A Filter Changed Client Info N/A N/A Sample Status NORMAL NORMAL NORMAL Iron ppm ASTM D5185m >900 21 62 Chromium ppm ASTM D5185m >900 1 0 Nickel ppm ASTM D5185m >10 0 0 Silver ppm ASTM D5185m >0 0 1 Silver ppm ASTM D5185m >30 <1







Certificate L2367

Laboratory Sample No.

Lab Number : 06174264 Unique Number : 11020317 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : VCP431872 : 09 May 2024 **Tested** : 10 May 2024

: 10 May 2024 - Wes Davis Diagnosed

HIGHWAY EQUIPMENT & SUPPLY CO

PO BOX 127 DRUMS, PA US 18222 Contact: JOSEPH GLOWACKI

To discuss this sample report, contact Customer Service at 1-800-237-1369.

joe@hwyequip.com T: (570)788-1127

* - 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: (570)708-2933