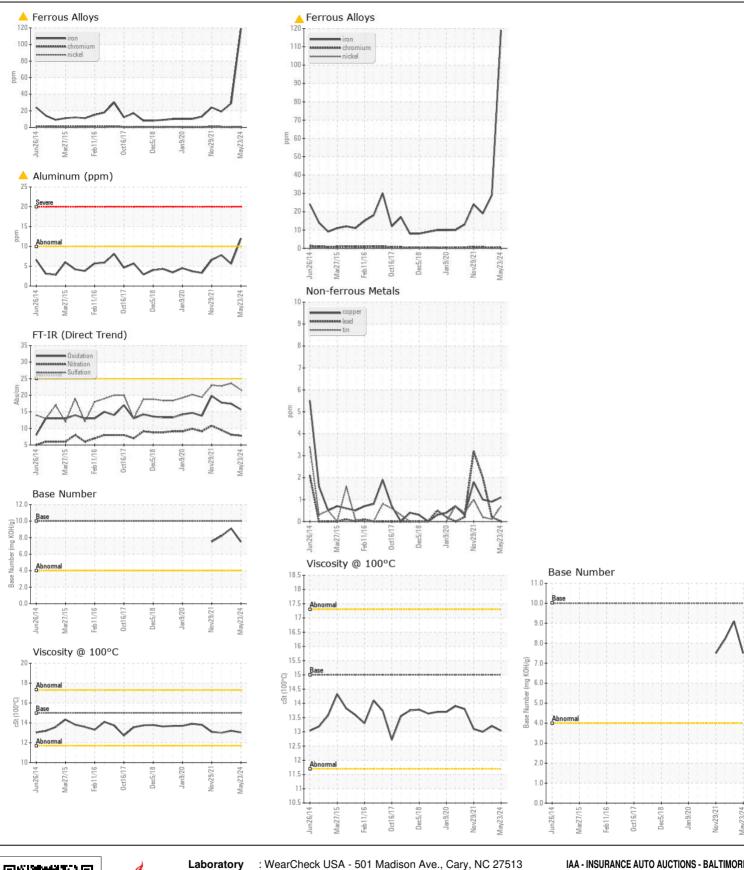
**WEAR CONTAMINATION FLUID CONDITION**  **ABNORMAL NORMAL NORMAL** 



## Machine Id **VOLVO L90G 617045**

Diesel Engine

_						
	UOM		Limit/Abn		,	History2
•						VCP347562
				-		20 May 2022
U						13223
						0
_	hrs					0
						Changed
-		Client Info		_	Ü	Changed NORMAL
				ADITOTIMAL		
Iron	ppm	ASTM D5185m	>100	<b>119</b>	29	19
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		2	<1	<1
Silver		ASTM D5185m	>2	0	0	<1
Aluminum		ASTM D5185m	>10	<u> </u>	6	8
Lead	ppm	ASTM D5185m	>20	0	<1	2
Copper		ASTM D5185m	>15	1	<1	1
Tin		ASTM D5185m	>10	<1	<1	<1
Vanadium		ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	nnm	ASTM D5185m	>20	10	7	6
						0
						<1.0
	70					NEG
			<i>&gt;</i> 0.1			NEG
	0/_		~3			0.4
						9.5
						22.8
						NONE
						NONE
						NONE
						NORML
						NORML
		*Visual	>0.1	NEG	NEG	NEG
Codium	nnm	ACTM DE10Em		າ	0	0
			2.5			0 243
						0
						111
-						
-						<1
•						635 1497
		ASTM D5165III			871	681
Phosphorus	ppm	ASTM D5185m		978 1119		848
Zino			1//3	1119	1048	040
Zinc	ppm					
Sulfur	ppm	ASTM D5185m	4079	3419	3518	2508
	ppm Abs/.1mm	ASTM D5185m *ASTM D7414	4079 >25			
	Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation 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 Yellow Metal scalar Silicon ppm Potassium ppm Fuel % Water Glycol Soot % % Nitration Abs/.mm Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water Sodium ppm Boron ppm Boron ppm Manganese ppm Magnesium ppm	Sample Number Sample Date Machine Age Oil Age hrs Client Info Clie	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status  Iron Chromium Ppm ASTM D5185m Silver Age Aluminum Ppm ASTM D5185m Silver Age Aluminum Ppm ASTM D5185m Silver ASTM D5185m Vanadium Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Vone Vellow Metal Scalar Visual NONE Vellow Metal Scalar Visual NONE Silicon Abs/Lmm ASTM D7844 Sand/Dirt Ascalar Visual NONE Sulfation Abs/Lmm ASTM D7844 Sand/Dirt Scalar Avisual NONE Sand/Dirt Scalar Avisual NONE Sand/Dirt Scalar Avisual NONE Sand/Dirt Scalar Appearance Scalar Avisual NONE Sand/Dirt Scalar Appearance Scalar Avisual NORML Appearance Scalar Avisual NORML Emulsified Water Scalar ASTM D5185m Boron Ppm ASTM D5185m Boron Ppm ASTM D5185m ASTM D5185m Boron Ppm ASTM D5185m ASTM D5185m Boron Ppm ASTM D5185m ASTM D5185m O.0 Molybdenum Ppm ASTM D5185m O.0 Magnesium Ppm ASTM D5185m O.0 Magnesium Ppm ASTM D5185m O.0 Magnesium Ppm ASTM D5185m O.0	Sample Number         Client Info         ML0002175           Sample Date         Client Info         23 May 2024           Machine Age         hrs         Client Info         14279           Oil Age         hrs         Client Info         14279           Filter Age         hrs         Client Info         Changed           Filter Changed         Client Info         Changed           Filter Changed         Client Info         Changed           Sample Status         Client Info         Changed           Iron         ppm         ASTM D5185m         >100           Chromium         ppm         ASTM D5185m         >10         <1	Sample Number   Sample Date   Client Info   23 May 2024   19 Dec 2022   Machine Age   hrs   Client Info   14279   13749   0   14279   13749   0   0   0   0   0   0   0   0   0





Certificate L2367

Report Id: IAABAL [WUSCAR] 06196245 (Generated: 06/05/2024 17:27:06) Rev: 1

Laboratory Sample No. Unique Number: 11058368

Lab Number : 06196245

: ML0002175

Received **Tested** 

: 31 May 2024 : 05 Jun 2024 Diagnosed

: 05 Jun 2024 - Jonathan Hester Test Package: CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

IAA - INSURANCE AUTO AUCTIONS - BALTIMORE 3131 HAWKINS POINT RD

BALTIMORE, MD US 21226

Contact: Service Manager

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)

Submitted By: Emylio Pineda

T: F: