WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Area

## [W02008428]

## **VOLVO L70G 614490**

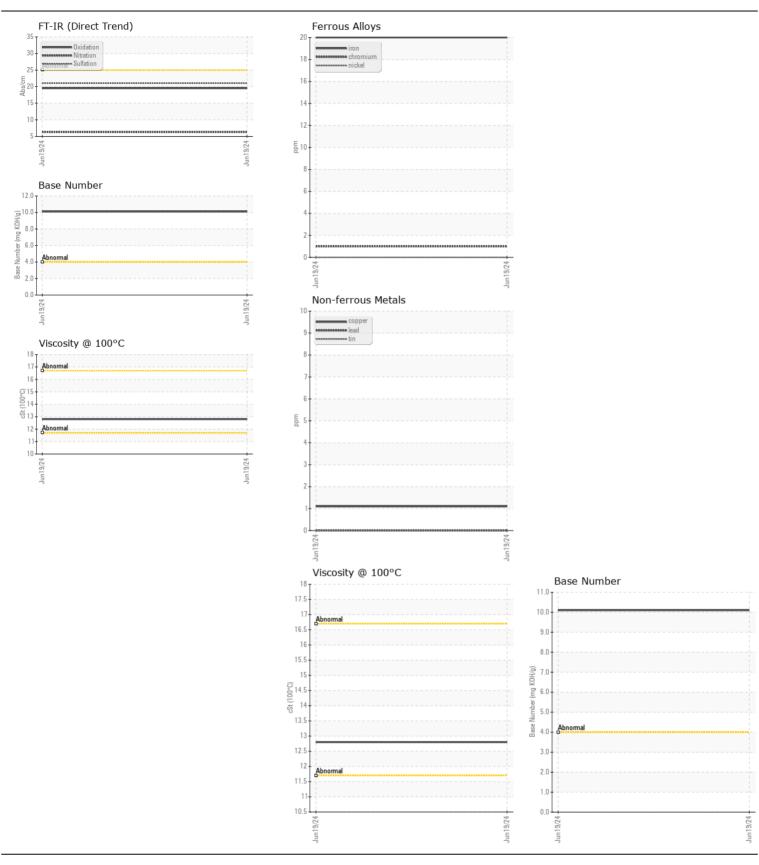


{not provided} (5 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. ( Customer Sample Comment: W02008428)	Sample Number		Client Info		ML0002428		
	Sample Date		Client Info		19 Jun 2024		
	Machine Age	hrs	Client Info		12915		
	Oil Age	hrs	Client Info		300		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>100	20		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	1		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>2	0		
	Aluminum	ppm	ASTM D5185m	>10	9		
	Lead	ppm	ASTM D5185m	>20	0		
	Copper	ppm	ASTM D5185m	>15	1		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	17		
CONTAMINATION	Potassium	ppm	ASTM D5185m		2		
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0		
	Water		WC Method		NEG		
	Glycol		WC Method	7 01.1	NEG		
	Soot %	%	*ASTM D7844	>3	0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	6.3		
	Sulfation	Abs/.1mm	*ASTM D7415		21.0		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
	Boron	ppm	ASTM D5185m		55		
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		
	Molybdenum	ppm	ASTM D5185m		43		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		509		
	Calcium	ppm	ASTM D5185m		1693		
	Phosphorus	ppm	ASTM D5185m		777		
	Zinc	ppm	ASTM D5185m		959		
	Sulfur	ppm	ASTM D5185m		2584		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5		
	Base Number (BN)	mg KOH/g	ASTM D2896		10.1		
	Vien @ 10000	- 04	AOTA DA45		400		

Visc @ 100°C cSt

ASTM D445

12.8





Certificate L2367

Laboratory

Sample No.

Lab Number : 06216503

: ML0002428 Unique Number: 11089367

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

Diagnosed Test Package : CONST (Additional Tests: TBN)

: 22 Jun 2024 : 23 Jun 2024 - Don Baldridge

: 20 Jun 2024

**WILLIAM HAZEL** PO BOX 600 CHANTILLY, VA US 20153 Contact: SERVICE MANAGER

jimmy\_elswick@wahazel.com T: (703)378-8300

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: