**CONSTRUCTION EQUIPMENT** VOLVO L120H 632701 - DIESEL ENGINE X58494



Sample No: VCP413363 **Oil Type:** NOT GIVEN Job No: X58494

Nickel

Silver

Titanium

Manganese

Vanadium

Calcium Magnesium Zinc

Phosphorus Barium Boron

ADD

VOLVO

	NFORMATION		 	
			 -	-
Sample Number		VCP413363	 	
Sample Date		06 Sep 2023	 	
Machine Hours		1082	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		SEVERE	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.7	 	
		8.3		
Base Number (BN) Oxidation (PA)	mg KOH/g %	75	 	
Oxidation (PA)	70	75	 	
VOLVO				
🤍 Contamii	NATION			
Soot %	%	0.2	 	
Nitration (PA)	%	72	 	
Sulfation (PA)	%	58	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<b>18</b>	 	
Sodium	ppm	4	 	
Potassium	ppm	<b>1</b>	 	
VOLVO	TAIC			
VEAR ME	TALS			
Iron	ppm	36	 	
Copper	ppm	25	 	
Lead	ppm	<b>4</b>	 	
Tin	ppm	3	 	
Aluminum	ppm	• 152	 	
Chromium	ppm	5	 	
Molybdenum	ppm	26	 	



SCOTT EQUIPMENT COMPANY LLC - Saint Rose PO BOX 997 SAINT ROSE, LA US 70087 Contact: STEPHEN SALMERON ssalmeron@scottcompanies.com T: (504)461-0961 F: (504)461-0970

## Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The aluminum level is severe. Piston wear is indicated. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

ppm	3	 	
ppm	0	 	
ITIVES			
ppm	<b>1517</b>	 	
ppm	676	 	
ppm	<b>1036</b>	 	
ppm	862	 	
ppm	0	 	
ppm	<b>48</b>	 	

Depot: SCOSAI Unique No: 10644709 Signed: Jonathan Hester Report Date: 15 Sep 2023

0 🔲

1

9

ppm

ppm

ppm

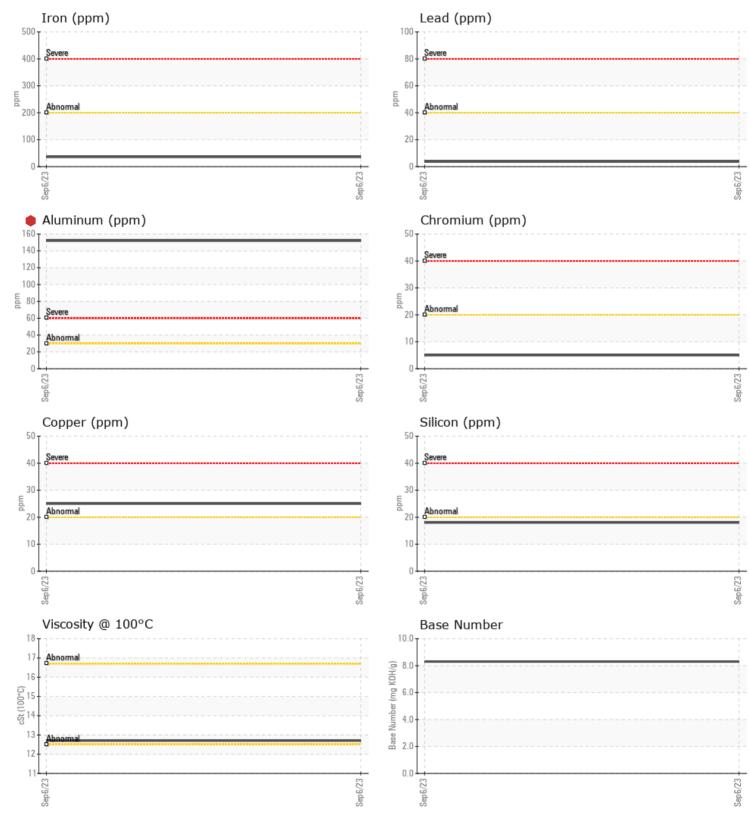
Contact/Location: STEPHEN SALMERON - SCOSAI

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: SCOSAI [WUSCAR] 05948750 (Generated: 09/15/2023 10:24:33) Rev: 1

Contact/Location: STEPHEN SALMERON - SCOSAI