**CONSTRUCTION EQUIPMENT** VOLVO L30GS 3224706 - DIESEL ENGINE 402883



Sample No: VCP434283 O

VOLVO

Oil Type:	DIESEL ENGINE OIL SAE 15W40
Job No:	402883

## SAMPLE INFORMATION

Sample Number	-	VCP434283	VCP371350	 
Sample Date		01 Nov 2023	09 Dec 2022	 
Machine Hours		1298	499	 
Oil Hours		0	499	 
Oil Changed		Changed	Changed	 
Sample Status		ABNORMAL	ATTENTION	 
OIL CONDI				
Visc @ 100°C	cSt	14.2	▲ 11.4	 
Base Number (BN)	mg KOH/g	7.7	10.0	 
Oxidation (PA)	%	90	95	 
CONTAMIN				
	ATION			
Soot %	%	■0.1	0.1	 
Nitration (PA)	%	91	85	 
Sulfation (PA)	%	63	67	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	0.4	 
Silicon	ppm	<b>10</b>	18	 
Sodium	ppm	5	5	 
Potassium	ppm	0	<b></b> <1	 

WEAR M	IETALS			
Iron	ppm	<b>1</b> 3	18	 
Copper	ppm	<u> </u>	43	 
Lead	ppm	■ <1	3	 
Tin	ppm	0	<1	 
Aluminum	ppm	2	3	 
Chromium	ppm	<b>1</b>	2	 
Molybdenum	ppm	47	39	 
Nickel	ppm	0	<1	 
Titanium	ppm	<b></b> <1	<b></b> < 1	 
Silver	ppm	0	<1	 
Manganese	ppm	<b>1</b>	4	 
Vanadium	ppm	<1	0	 

ADDITIVES					
Calcium	ppm	<b>1749</b>	1974		
Magnesium	ppm	624	460		
Zinc	ppm	1343	1146		
Phosphorus	ppm	993	876		
Barium	ppm	0	0		
Boron	ppm	<b>10</b>	31		



#### ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0090 Unique No: Signed: Report Date:

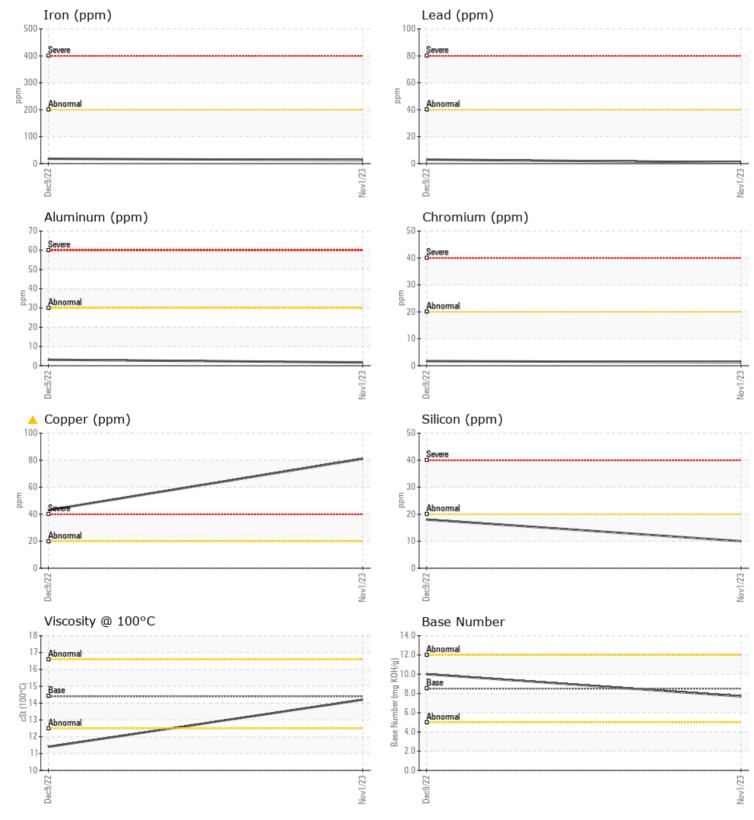
10726078 Don Baldridge 06 Nov 2023

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: TODD LARK - VOLVO0090