

CONSTRUCTION EQUIPMENT

D12678 HALQUIST STON VOLVO L120G 31025 - DIESEL ENGINE

Sample No: VCE049410

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: D12678 HALQUIST STON

SAMPLE INFORMATION					
Sample Number	•	VCE049410			
Sample Date		02 Aug 2023			
Machine Hours		16438			
Oil Hours		238			
Oil Changed		Not Changd			
Sample Status		SEVERE			
OIT CONDI.	TION				
Visc @ 100°C	cSt	12.0			
Base Number (BN)	mg KOH/g	■13.3			
Oxidation (PA)	%	51			
CONTAMINATION					
Soot %	%	2			
Nitration (PA)	%	71			
Sulfation (PA)	%	58			
Glycol	%	0.10			
Fuel	%	■0.8			
Silicon	ppm	■5			
Sodium	ppm	▲ 859			
Potassium	ppm	<u>^</u> 6			
WEAR ME	TALS				
Iron	ppm	13			
Copper	ppm	2			
Lead	ppm	■1			
Tin	ppm	■<1			
Aluminum	ppm	2			
Chromium	ppm	■ <1			
Molybdenum	ppm	196			
Nickel	ppm	■ <1			
Titanium	ppm	0			
Silver	ppm	■0			
Manganese	ppm				
Vanadium	ppm	0			
ADDITION					
Calcium	ppm	■ 999			
Magnesium	ppm	■854			
Zinc	ppm	■1132			
Phosphorus	ppm	1021			
Barium	ppm	■0			



ARING EQUIPMENT COMPANY INC - GREEN BAY

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Diagnosis

We advise that you check for the source of the coolant leak. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.All component wear rates are normal. Sodium and/or potassium levels are high. Fuel content negligible. There is a high concentration of glycol present in the oil. The oil viscosity is lower than normal. Confirm oil type. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0072 **Unique No:** 10630064 Signed: Don Baldridge Report Date: 01 Sep 2023

ppm

Boron



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