



# CONSTRUCTION EQUIPMENT

8-370246 VOLVO L180H 5658 - DIESEL ENGINE



**Sample No:** VCP394585  
**Oil Type:** NOT GIVEN  
**Job No:** 8-370246



## SAMPLE INFORMATION

Sample Number	VCP394585	---	---	---
Sample Date	28 Jun 2023	---	---	---
Machine Hours	549	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

### STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD  
MISSISSAUGA, ON  
CA L4W 4L4

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## OIL CONDITION

Visc @ 100°C	cSt	11.1	---	---	---
Oxidation (PA)	%	64	---	---	---



## CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	76	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.7	---	---	---
Silicon	ppm	22	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	4	---	---	---



## WEAR METALS

Iron	ppm	12	---	---	---
Copper	ppm	215	---	---	---
Lead	ppm	6	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	84	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	2169	---	---	---
Magnesium	ppm	43	---	---	---
Zinc	ppm	1157	---	---	---
Phosphorus	ppm	1052	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	42	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Metal levels are typical for a new component breaking in. Fuel content negligible. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

**Depot:** SHEMIS  
**Unique No:** 5605770  
**Signed:** Kevin Marson  
**Report Date:** 11 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

