



# CONSTRUCTION EQUIPMENT

8-381499 VOLVO L180H 5658 - DIESEL ENGINE



**Sample No:** VCP429731  
**Oil Type:** DIESEL ENGINE OIL SAE 30  
**Job No:** 8-381499



## SAMPLE INFORMATION

Sample Number	<b>VCP429731</b>	VCP394585	---	---
Sample Date	<b>12 Oct 2023</b>	28 Jun 2023	---	---
Machine Hours	<b>1010</b>	549	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Not Changd	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

### STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD  
 MISSISSAUGA, ON  
 CA L4W 4L4

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## OIL CONDITION

Visc @ 100°C	cSt	<b>11.4</b>	11.1	---	---
Oxidation (PA)	%	<b>73</b>	64	---	---



## CONTAMINATION

Soot %	%	<b>0.2</b>	0	---	---
Nitration (PA)	%	<b>81</b>	76	---	---
Sulfation (PA)	%	<b>65</b>	57	---	---
Glycol	%	<b>0.0</b>	NEG	---	---
Fuel	%	<b>0.8</b>	0.7	---	---
Silicon	ppm	<b>19</b>	22	---	---
Sodium	ppm	<b>4</b>	4	---	---
Potassium	ppm	<b>2</b>	4	---	---



## WEAR METALS

Iron	ppm	<b>17</b>	12	---	---
Copper	ppm	<b>124</b>	215	---	---
Lead	ppm	<b>4</b>	6	---	---
Tin	ppm	<b>2</b>	2	---	---
Aluminum	ppm	<b>2</b>	2	---	---
Chromium	ppm	<b>0</b>	0	---	---
Molybdenum	ppm	<b>74</b>	84	---	---
Nickel	ppm	<b>&lt;1</b>	<1	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>&lt;1</b>	0	---	---
Manganese	ppm	<b>2</b>	2	---	---
Vanadium	ppm	<b>0</b>	0	---	---



## ADDITIVES

Calcium	ppm	<b>2062</b>	2169	---	---
Magnesium	ppm	<b>149</b>	43	---	---
Zinc	ppm	<b>1111</b>	1157	---	---
Phosphorus	ppm	<b>907</b>	1052	---	---
Barium	ppm	<b>&lt;1</b>	0	---	---
Boron	ppm	<b>20</b>	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 (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** SHEMIS  
**Unique No:** 5671668  
**Signed:** Wes Davis  
**Report Date:** 08 Nov 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

