



# CONSTRUCTION EQUIPMENT

## 9130 VOLVO L70H 623623 - DIESEL ENGINE



**Sample No:** VCP408906  
**Oil Type:** CHEVRON 15W40  
**Job No:** 9130



### SAMPLE INFORMATION

Sample Number	<b>VCP408906</b>	VCP365946	VCP311378	VCP323275
Sample Date	<b>29 Jun 2023</b>	02 Nov 2022	11 Feb 2022	16 Jul 2021
Machine Hours	<b>3476</b>	2785	1831	1064
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**RELIABLE CONTRACTING**  
 2410 EVERGREEN RD SUITE 200  
 GAMBRILLS, MD  
 US 21054  
 Contact: RUSSELL HATFIELD  
 RHATFIELD@RELIABLECONTRACTING.COM  
 T: (410)987-1851  
 F:



### OIL CONDITION

Visc @ 100°C	cSt	<b>13.2</b>	13.0	13.1	13.2
Base Number (BN)	mg KOH/g	<b>7.9</b>	8.9	9.1	---
Oxidation (PA)	%	<b>68</b>	73	73	70

### Diagnosis

Resample at the next service interval to monitor. All 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 suitable for further service.



### CONTAMINATION

Soot %	%	<b>0.3</b>	0.4	0.3	0.2
Nitration (PA)	%	<b>69</b>	78	73	63
Sulfation (PA)	%	<b>64</b>	66	67	65
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>6</b>	8	9	8
Sodium	ppm	<b>0</b>	1	2	2
Potassium	ppm	<b>2</b>	1	<1	2



### WEAR METALS

Iron	ppm	<b>12</b>	15	20	13
Copper	ppm	<b>2</b>	3	2	2
Lead	ppm	<b>&lt;1</b>	2	<1	1
Tin	ppm	<b>&lt;1</b>	<1	1	1
Aluminum	ppm	<b>6</b>	8	11	9
Chromium	ppm	<b>&lt;1</b>	2	3	3
Molybdenum	ppm	<b>103</b>	114	116	111
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	1
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>1495</b>	1619	1620	1671
Magnesium	ppm	<b>449</b>	607	637	658
Zinc	ppm	<b>1183</b>	868	897	960
Phosphorus	ppm	<b>1001</b>	731	762	809
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>400</b>	217	277	605

**Depot:** RELMIL  
**Unique No:** 10552470  
**Signed:** Wes Davis  
**Report Date:** 13 Jul 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

