



# CONSTRUCTION EQUIPMENT

## VOLVO L90H 625902 - DIESEL ENGINE



**Sample No:** VCP273469  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP273469</b>	VCP380428	VCP380524	VCP352605
Sample Date	<b>04 Dec 2023</b>	13 Sep 2023	17 Jan 2023	11 Nov 2022
Machine Hours	<b>9113</b>	8273	5558	5054
Oil Hours	<b>0</b>	0	500	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### STRONGCO EQUIPMENT INC (STE- FOY)

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### OIL CONDITION

Visc @ 100°C	cSt	<b>14.3</b>	15.1	13.4	13.0
Oxidation (PA)	%	<b>94</b>	90	93	86



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.1</b>	0.4	0	0
Nitration (PA)	%	<b>84</b>	87	80	64
Sulfation (PA)	%	<b>66</b>	71	68	66
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>8</b>	7	6	6
Sodium	ppm	<b>3</b>	3	3	3
Potassium	ppm	<b>0</b>	2	<1	0

### Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.



### WEAR METALS

Iron	ppm	<b>10</b>	17	20	19
Copper	ppm	<b>&lt;1</b>	2	<1	<1
Lead	ppm	<b>&lt;1</b>	2	<1	0
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>3</b>	4	3	3
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>69</b>	88	49	44
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>0</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1718</b>	1603	1774	1674
Magnesium	ppm	<b>523</b>	466	517	497
Zinc	ppm	<b>1224</b>	1346	1156	1094
Phosphorus	ppm	<b>1011</b>	1157	1030	1019
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>155</b>	150	62	66

**Depot:** VOLVO0228  
**Unique No:** 5695795  
**Signed:** Wes Davis  
**Report Date:** 13 Dec 2023



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## VOLVO GRAPHS

