



# CONSTRUCTION EQUIPMENT

BETON MIROC 390751 VOLVO L90H 623496 - DIESEL ENGINE



**Sample No:** VCP393114  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 390751



## SAMPLE INFORMATION

Sample Number	<b>VCP393114</b>	VCP353349	VCP394566	VCP391957
Sample Date	<b>17 Jan 2024</b>	18 Oct 2023	14 Aug 2023	18 May 2023
Machine Hours	<b>17522</b>	17041	16588	16095
Oil Hours	<b>500</b>	500	500	500
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



### STRONGCO EQUIPMENT INC (STE- FOY)

175, rue de Rotterdam  
 St-Augustin-de-Desmaures, QC  
 CA G3A 2K2

Contact: Michel Lepage  
 mlepage@strongco.com  
 T: (418)870-1700  
 F: (418)870-1701



## OIL CONDITION

Visc @ 100°C	cSt	<b>13.3</b>	13.3	13.3	13.1
Oxidation (PA)	%	<b>90</b>	85	78	92



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.1</b>	0.1	0.1	0.2
Nitration (PA)	%	<b>67</b>	63	61	75
Sulfation (PA)	%	<b>65</b>	63	63	64
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>5</b>	5	4	5
Sodium	ppm	<b>2</b>	3	3	3
Potassium	ppm	<b>&lt;1</b>	0	<1	<1



## WEAR METALS

Iron	ppm	<b>8</b>	6	7	7
Copper	ppm	<b>&lt;1</b>	<1	1	<1
Lead	ppm	<b>0</b>	<1	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>2</b>	1	2	2
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>42</b>	42	42	41
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	<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>1783</b>	1799	1745	1767
Magnesium	ppm	<b>522</b>	529	532	519
Zinc	ppm	<b>1104</b>	1126	1129	1064
Phosphorus	ppm	<b>949</b>	955	1014	984
Barium	ppm	<b>0</b>	<1	<1	0
Boron	ppm	<b>37</b>	30	31	33

## 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.

**Depot:** VOLVO0228  
**Unique No:** 5711535  
**Signed:** Wes Davis  
**Report Date:** 22 Jan 2024



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## VOLVO GRAPHS

