



# CONSTRUCTION EQUIPMENT

GDS ENERGIE 395520 VOLVO L110H 632153 - DIESEL ENGINE



**Sample No:** VCP393119  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 395520



## SAMPLE INFORMATION

Sample Number	<b>VCP393119</b>	VCP392053	VCP353358	VCP391606
Sample Date	<b>19 Jan 2024</b>	08 Dec 2023	25 Oct 2023	18 Aug 2023
Machine Hours	<b>12717</b>	12202	11255	10387
Oil Hours	<b>0</b>	0	0	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>14.0</b>	14.4	14.6	14.2
Oxidation (PA)	%	<b>106</b>	115	98	102



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.1</b>	0.2	0.2	0.2
Nitration (PA)	%	<b>85</b>	99	88	90
Sulfation (PA)	%	<b>70</b>	73	68	73
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>6</b>	6	6	6
Sodium	ppm	<b>2</b>	3	3	3
Potassium	ppm	<b>&lt;1</b>	0	<1	<1

### 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>9</b>	16	17	11
Copper	ppm	<b>&lt;1</b>	1	1	<1
Lead	ppm	<b>1</b>	4	3	2
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>4</b>	5	7	4
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>47</b>	69	67	54
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>0</b>	0	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1833</b>	1924	2003	1795
Magnesium	ppm	<b>552</b>	573	611	558
Zinc	ppm	<b>1176</b>	1296	1420	1247
Phosphorus	ppm	<b>994</b>	1055	1168	1092
Barium	ppm	<b>0</b>	<1	<1	0
Boron	ppm	<b>42</b>	83	121	85

**Depot:** VOLVO0228  
**Unique No:** 5735345  
**Signed:** Kevin Marson  
**Report Date:** 27 Feb 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

