



# CONSTRUCTION EQUIPMENT

GDS ENERGIE 371660 VOLVO L110H 632153 - DIESEL ENGINE



**Sample No:** VCP391536  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 371660



## SAMPLE INFORMATION

Sample Number	<b>VCP391536</b>	VCP391954	VCP391707	VCP392338
Sample Date	<b>13 Jul 2023</b>	02 Jun 2023	24 Apr 2023	28 Mar 2023
Machine Hours	<b>9744</b>	9112	8330	7772
Oil Hours	<b>0</b>	500	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>14.1</b>	14.3	13.8	13.8
Oxidation (PA)	%	<b>96</b>	103	96	97



## CONTAMINATION

Soot %	%	<b>0.2</b>	0.2	0.1	0
Nitration (PA)	%	<b>88</b>	92	73	82
Sulfation (PA)	%	<b>69</b>	71	67	74
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	7	8
Sodium	ppm	<b>3</b>	3	3	3
Potassium	ppm	<b>&lt;1</b>	<1	13	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>13</b>	13	10	11
Copper	ppm	<b>1</b>	1	<1	<1
Lead	ppm	<b>1</b>	1	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>6</b>	3	4	4
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>53</b>	52	44	46
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1777</b>	1794	1864	1873
Magnesium	ppm	<b>553</b>	553	538	548
Zinc	ppm	<b>1244</b>	1211	1149	1173
Phosphorus	ppm	<b>1089</b>	1063	1028	1056
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>74</b>	97	40	49

**Depot:** VOLVO0228  
**Unique No:** 5617296  
**Signed:** Kevin Marson  
**Report Date:** 26 Jul 2023



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## GRAPHS

