



# CONSTRUCTION EQUIPMENT

GDS ENERGIE 404254 VOLVO L110H 632153 - DIESEL ENGINE



**Sample No:** VCP393841  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 404254



## SAMPLE INFORMATION

Sample Number	VCP393841	VCP391823	VCP393119	VCP392053
Sample Date	20 May 2024	24 Apr 2024	19 Jan 2024	08 Dec 2023
Machine Hours	15219	14651	12717	12202
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



### STRONGCO EQUIPMENT INC (STE- FOY)

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## OIL CONDITION

Visc @ 100°C	cSt	14.4	13.9	14.0	14.4
Oxidation (PA)	%	98	104	106	115



## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.2	0.1	0.2
Nitration (PA)	%	83	93	85	99
Sulfation (PA)	%	69	68	70	73
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	6	6
Sodium	ppm	2	2	2	3
Potassium	ppm	<1	<1	<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	11	14	9	16
Copper	ppm	<1	1	<1	1
Lead	ppm	<1	2	1	4
Tin	ppm	0	0	0	<1
Aluminum	ppm	4	6	4	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	52	76	47	69
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	0	0
Vanadium	ppm	0	0	0	0



## ADDITIVES

Calcium	ppm	1891	1879	1833	1924
Magnesium	ppm	544	543	552	573
Zinc	ppm	1198	1195	1176	1296
Phosphorus	ppm	1006	988	994	1055
Barium	ppm	0	0	0	<1
Boron	ppm	71	66	42	83

**Depot:** VOLVO0228  
**Unique No:** 5787989  
**Signed:** Wes Davis  
**Report Date:** 30 May 2024



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## VOLVO GRAPHS

