



# CONSTRUCTION EQUIPMENT

BLC 405885 VOLVO 110H 632019 - DIESEL ENGINE



**Sample No:** VCP393111  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 405885



## SAMPLE INFORMATION

Sample Number	VCP393111	VCP380403	VCP391601	VCP381803
Sample Date	27 May 2024	04 Oct 2023	16 Aug 2023	12 May 2023
Machine Hours	6013	5053	4733	4250
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**STRONGCO EQUIPMENT INC (STE- FOY)**  
 175, rue de Rotterdam  
 St-Augustin-de-Desmaures, QC  
 CA G3A 2K2  
 Contact: Louis Mauger  
 lMauger@strongco.com  
 T:  
 F: (418)870-1701



## OIL CONDITION

Visc @ 100°C	cSt	13.2	12.9	13.2	13.3
Oxidation (PA)	%	82	81	84	82



## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.2	0.1
Nitration (PA)	%	61	55	64	59
Sulfation (PA)	%	64	63	66	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	4	4
Sodium	ppm	2	3	3	3
Potassium	ppm	<1	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	9	8	10	9
Copper	ppm	1	<1	1	1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	4	3	4	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	41	41	38
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



## ADDITIVES

Calcium	ppm	1780	1712	1712	1853
Magnesium	ppm	524	512	525	481
Zinc	ppm	1121	1099	1141	1109
Phosphorus	ppm	969	932	1026	1013
Barium	ppm	0	<1	0	0
Boron	ppm	38	35	33	53

**Depot:** VOLVO0228  
**Unique No:** 5787994  
**Signed:** Wes Davis  
**Report Date:** 30 May 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

