



CONSTRUCTION EQUIPMENT

373176 VOLVO L110H 632776 - DIESEL ENGINE



Sample No: VCP391608
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 373176



SAMPLE INFORMATION

Sample Number	VCP391608	VCP381728	VCP381791	WC353407
Sample Date	01 Aug 2023	07 Jul 2023	30 May 2023	02 May 2023
Machine Hours	16446	16001	15472	14990
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	N/A	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: Michel Lepage
 mlepage@strongco.com
 T: (418)870-1700
 F: (418)870-1701

OIL CONDITION

Visc @ 100°C	cSt	13.2	13.2	13.4	13.4
Oxidation (PA)	%	79	87	86	86

CONTAMINATION

Soot %	%	0.3	0.3	0.3	0.3
Nitration (PA)	%	59	66	62	62
Sulfation (PA)	%	64	66	65	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	4	4	4
Sodium	ppm	2	3	2	2
Potassium	ppm	1	2	0	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	10	11	9	10
Copper	ppm	2	2	2	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	5	5	4	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	41	42	43
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1682	1713	1789	1809
Magnesium	ppm	520	518	511	523
Zinc	ppm	1114	1111	1100	1117
Phosphorus	ppm	988	975	984	1001
Barium	ppm	0	0	0	0
Boron	ppm	29	29	35	36

Depot: VOLVO0228
Unique No: 5620121
Signed: Wes Davis
Report Date: 10 Aug 2023



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GRAPHS

