



CONSTRUCTION EQUIPMENT

GDS ENERGIE 375588 VOLVO L110H 632153 - DIESEL ENGINE



Sample No: VCP391606
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 375588



SAMPLE INFORMATION

Sample Number	VCP391606	VCP391536	VCP391954	VCP391707
Sample Date	18 Aug 2023	13 Jul 2023	02 Jun 2023	24 Apr 2023
Machine Hours	10387	9744	9112	8330
Oil Hours	500	0	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: Michel Lepage
 mlepage@strongco.com
 T: (418)870-1700
 F: (418)870-1701



OIL CONDITION

Visc @ 100°C	cSt	14.2	14.1	14.3	13.8
Oxidation (PA)	%	102	96	103	96



CONTAMINATION

Soot %	%	0.2	0.2	0.2	0.1
Nitration (PA)	%	90	88	92	73
Sulfation (PA)	%	73	69	71	67
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	7
Sodium	ppm	3	3	3	3
Potassium	ppm	<1	<1	<1	13

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	13	13	10
Copper	ppm	<1	1	1	<1
Lead	ppm	2	1	1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	6	3	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	54	53	52	44
Nickel	ppm	0	<1	0	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1795	1777	1794	1864
Magnesium	ppm	558	553	553	538
Zinc	ppm	1247	1244	1211	1149
Phosphorus	ppm	1092	1089	1063	1028
Barium	ppm	0	0	0	0
Boron	ppm	85	74	97	40

Depot: VOLVO0228
Unique No: 5631123
Signed: Kevin Marson
Report Date: 25 Aug 2023



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GRAPHS

