



CONSTRUCTION EQUIPMENT

GDS ENERGIE 381839 VOLVO L110H 632153 - DIESEL ENGINE



Sample No: VCP353358
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 381839



SAMPLE INFORMATION

Sample Number	VCP353358	VCP391606	VCP391536	VCP391954
Sample Date	25 Oct 2023	18 Aug 2023	13 Jul 2023	02 Jun 2023
Machine Hours	11255	10387	9744	9112
Oil Hours	0	500	0	500
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	14.6	14.2	14.1	14.3
Oxidation (PA)	%	98	102	96	103



CONTAMINATION

Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	88	90	88	92
Sulfation (PA)	%	68	73	69	71
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	6
Sodium	ppm	3	3	3	3
Potassium	ppm	<1	<1	<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	17	11	13	13
Copper	ppm	1	<1	1	1
Lead	ppm	3	2	1	1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	7	4	6	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	67	54	53	52
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2003	1795	1777	1794
Magnesium	ppm	611	558	553	553
Zinc	ppm	1420	1247	1244	1211
Phosphorus	ppm	1168	1092	1089	1063
Barium	ppm	<1	0	0	0
Boron	ppm	121	85	74	97

Depot: VOLVO0228
Unique No: 5670675
Signed: Wes Davis
Report Date: 02 Nov 2023



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GRAPHS

