



CONSTRUCTION EQUIPMENT

GDS ENERGIE 367035 VOLVO L110H 632153 - DIESEL ENGINE



Sample No: VCP391954
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 367035



SAMPLE INFORMATION

Sample Number	VCP391954	VCP391707	VCP392338	VCP352737
Sample Date	02 Jun 2023	24 Apr 2023	28 Mar 2023	20 Feb 2023
Machine Hours	9112	8330	7772	7033
Oil Hours	500	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	14.3	13.8	13.8	13.8
Oxidation (PA)	%	103	96	97	95



CONTAMINATION

Soot %	%	0.2	0.1	0	0
Nitration (PA)	%	92	73	82	76
Sulfation (PA)	%	71	67	74	72
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	7	8	8
Sodium	ppm	3	3	3	3
Potassium	ppm	<1	13	0	<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	13	10	11	10
Copper	ppm	1	<1	<1	<1
Lead	ppm	1	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	4	4	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	52	44	46	47
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1794	1864	1873	1808
Magnesium	ppm	553	538	548	522
Zinc	ppm	1211	1149	1173	1154
Phosphorus	ppm	1063	1028	1056	1035
Barium	ppm	0	0	0	0
Boron	ppm	97	40	49	83

Depot: VOLVO0228
Unique No: 5607356
Signed: Kevin Marson
Report Date: 19 Jul 2023



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VOLVO GRAPHS

