



CONSTRUCTION EQUIPMENT

GDS ENERGIE VOLVO L110H 632153 - DIESEL ENGINE



Sample No: VCP392053
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP392053	VCP353358	VCP391606	VCP391536
Sample Date	08 Dec 2023	25 Oct 2023	18 Aug 2023	13 Jul 2023
Machine Hours	12202	11255	10387	9744
Oil Hours	0	0	500	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	14.4	14.6	14.2	14.1
Oxidation (PA)	%	115	98	102	96



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	99	88	90	88
Sulfation (PA)	%	73	68	73	69
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	0	<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	16	17	11	13
Copper	ppm	1	1	<1	1
Lead	ppm	4	3	2	1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	5	7	4	6
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	69	67	54	53
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1924	2003	1795	1777
Magnesium	ppm	573	611	558	553
Zinc	ppm	1296	1420	1247	1244
Phosphorus	ppm	1055	1168	1092	1089
Barium	ppm	<1	<1	0	0
Boron	ppm	83	121	85	74

Depot: VOLVO0228
Unique No: 5697153
Signed: Kevin Marson
Report Date: 19 Dec 2023



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VOLVO GRAPHS

