



CONSTRUCTION EQUIPMENT

380963 VOLVO L110H 632176 - DIESEL ENGINE



Sample No: VCP380401
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 380963



SAMPLE INFORMATION

Sample Number	VCP380401	VCP391795	VCP353403	VCP379597
Sample Date	06 Oct 2023	21 Jul 2023	05 May 2023	03 Mar 2023
Machine Hours	4989	4519	4014	3547
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.3	13.3	13.4
Oxidation (PA)	%	80	76	85	88

CONTAMINATION

Soot %	%	0.2	0.2	0.1	0
Nitration (PA)	%	58	56	58	63
Sulfation (PA)	%	63	61	63	70
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	4	4
Sodium	ppm	2	2	2	2
Potassium	ppm	0	<1	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	9	8	8	10
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	5	4	5	8
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	41	42	42
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1702	1688	1781	1742
Magnesium	ppm	508	517	518	511
Zinc	ppm	1090	1083	1095	1074
Phosphorus	ppm	941	980	1017	981
Barium	ppm	<1	0	0	0
Boron	ppm	37	33	43	40

Depot: VOLVO0228
Unique No: 5658927
Signed: Wes Davis
Report Date: 18 Oct 2023



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VOLVO GRAPHS

