



CONSTRUCTION EQUIPMENT

372769 VOLVO L110H 632176 - DIESEL ENGINE



Sample No: VCP391795
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 372769



SAMPLE INFORMATION

Sample Number	VCP391795	VCP353403	VCP379597	VCP381442
Sample Date	21 Jul 2023	05 May 2023	03 Mar 2023	09 Jan 2023
Machine Hours	4519	4014	3547	3091
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	13.3	13.3	13.4	13.7
Oxidation (PA)	%	76	85	88	88



CONTAMINATION

Soot %	%	0.2	0.1	0	0
Nitration (PA)	%	56	58	63	66
Sulfation (PA)	%	61	63	70	68
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	<1	0	0	0



WEAR METALS

Iron	ppm	8	8	10	12
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	5	8	9
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	42	42	41
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1688	1781	1742	1740
Magnesium	ppm	517	518	511	502
Zinc	ppm	1083	1095	1074	1083
Phosphorus	ppm	980	1017	981	972
Barium	ppm	0	0	0	0
Boron	ppm	33	43	40	35

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.

Depot: VOLVO0228
Unique No: 5617297
Signed: Kevin Marson
Report Date: 26 Jul 2023



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VOLVO GRAPHS

