



CONSTRUCTION EQUIPMENT

372773 VOLVO L110G 8316 - DIESEL ENGINE



Sample No: VCP391792
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 372773



SAMPLE INFORMATION

Sample Number	VCP391792	WC353410	VCP347450	VCP297582
Sample Date	24 Jul 2023	01 May 2023	28 Mar 2022	29 Oct 2021
Machine Hours	23664	23005	21017	19798
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



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OIL CONDITION

Visc @ 100°C	cSt	13.8	13.8	14.5	14.1
Oxidation (PA)	%	84	86	86	82



CONTAMINATION

Soot %	%	0.8	0.7	1	1.5
Nitration (PA)	%	68	69	78	77
Sulfation (PA)	%	68	66	72	74
Glycol	%	0.0	0.0	0.0	0.0
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	6	6
Sodium	ppm	17	26	49	62
Potassium	ppm	5	8	16	21



WEAR METALS

Iron	ppm	22	26	28	29
Copper	ppm	1	1	1	1
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	7	6	7
Chromium	ppm	1	2	1	2
Molybdenum	ppm	45	44	42	46
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1764	1877	1813	1754
Magnesium	ppm	550	534	532	553
Zinc	ppm	1109	982	1195	1187
Phosphorus	ppm	1006	911	1047	1035
Barium	ppm	0	0	0	0
Boron	ppm	24	30	21	21

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: 5617295
Signed: Wes Davis
Report Date: 26 Jul 2023



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GRAPHS

