



CONSTRUCTION EQUIPMENT

381349 VOLVO L120H 632067 - DIESEL ENGINE



Sample No: VCP391804
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 381349



SAMPLE INFORMATION

Sample Number	VCP391804	VCP392435	VCP380862	VCP353094
Sample Date	02 Nov 2023	25 Jul 2023	24 May 2023	27 Mar 2023
Machine Hours	26442	25908	25175	24461
Oil Hours	500	500	500	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIP (AB)
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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.7	13.6	13.5
Oxidation (PA)	%	84	81	83	82



CONTAMINATION

Soot %	%	0.5	0.5	0.4	0.1
Nitration (PA)	%	58	58	56	55
Sulfation (PA)	%	65	65	65	71
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	5	5
Sodium	ppm	3	2	2	2
Potassium	ppm	0	<1	0	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	18	16	12	14
Copper	ppm	<1	<1	<1	2
Lead	ppm	<1	0	0	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	9	6	5	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	42	43	41	40
Nickel	ppm	<1	0	0	<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	1694	1595	1802	1784
Magnesium	ppm	517	569	511	506
Zinc	ppm	1113	1091	1099	1080
Phosphorus	ppm	927	974	1001	993
Barium	ppm	<1	0	0	0
Boron	ppm	37	29	43	49

Depot: VOLVO9652
Unique No: 5671148
Signed: Wes Davis
Report Date: 06 Nov 2023



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GRAPHS

