



CONSTRUCTION EQUIPMENT

633954 STONE CO VOLVO L260H 1244 - DIESEL ENGINE



Sample No: VCP442762
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 633954 STONE CO



SAMPLE INFORMATION

Sample Number	VCP442762	VCP431342	VCP412072	VCP407126
Sample Date	20 Nov 2023	28 Sep 2023	03 Aug 2023	08 Jun 2023
Machine Hours	7353	6874	6368	5879
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	12.8	13.3	13.9	13.8
Base Number (BN)	mg KOH/g	9.1	8.8	8.8	8.6
Oxidation (PA)	%	59	58	56	63

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.4	0.4	0.4	0.4
Nitration (PA)	%	63	60	58	58
Sulfation (PA)	%	54	53	53	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	2	2	2
Sodium	ppm	1	<1	0	1
Potassium	ppm	1	0	<1	1



WEAR METALS

Iron	ppm	1	4	4	3
Copper	ppm	<1	1	<1	0
Lead	ppm	<1	<1	<1	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	<1	0	<1	10
Chromium	ppm	0	0	0	0
Molybdenum	ppm	57	60	59	60
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	0
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	972	1035	1093	1097
Magnesium	ppm	920	995	1030	1004
Zinc	ppm	1224	1263	1313	1313
Phosphorus	ppm	999	1014	1023	1044
Barium	ppm	0	0	0	0
Boron	ppm	1	0	0	0

Depot: VOLVO2990
Unique No: 10764758
Signed: Don Baldrige
Report Date: 01 Dec 2023



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GRAPHS

