



CONSTRUCTION EQUIPMENT

633047 STONE CO VOLVO L260H 1331 - DIESEL ENGINE



Sample No: VCP435963
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 633047 STONE CO



SAMPLE INFORMATION

Sample Number	VCP435963	VCP431910	VCP380681	VCP426596
Sample Date	09 Nov 2023	05 Oct 2023	16 Aug 2023	28 Jun 2023
Machine Hours	3777	3443	2959	2478
Oil Hours	500	5	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.9	13.2	13.8	13.8
Base Number (BN)	mg KOH/g	9.3	8.8	8.0	8.3
Oxidation (PA)	%	59	58	55	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 %	%	0.2	0.2	0.3	0.3
Nitration (PA)	%	58	59	58	60
Sulfation (PA)	%	53	52	51	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	4	3
Sodium	ppm	1	2	2	1
Potassium	ppm	3	1	5	1



WEAR METALS

Iron	ppm	<1	4	6	6
Copper	ppm	<1	7	2	2
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	<1	1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	55	62	60	62
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	993	1128	1132	1107
Magnesium	ppm	931	962	899	1031
Zinc	ppm	1241	1310	1206	1361
Phosphorus	ppm	1008	1049	983	1099
Barium	ppm	0	0	0	0
Boron	ppm	3	1	2	0

Depot: VOLVO2990
Unique No: 10764778
Signed: Angela Borella
Report Date: 01 Dec 2023



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GRAPHS

