



CONSTRUCTION EQUIPMENT

633041 STONE CO VOLVO L260H 1301 - DIESEL ENGINE



Sample No: VCP442769
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 633041 STONE CO



SAMPLE INFORMATION

Sample Number	VCP442769	VCP431346	VCP412656	VCP407921
Sample Date	05 Nov 2023	19 Sep 2023	27 Jul 2023	01 Jun 2023
Machine Hours	5471	4943	4470	3962
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	12.6	13.0	13.5	13.0
Base Number (BN)	mg KOH/g	8.8	8.7	8.6	10.0
Oxidation (PA)	%	59	58	59	81

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	0.2	0.2
Nitration (PA)	%	61	57	58	61
Sulfation (PA)	%	53	52	53	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	2	3	4
Sodium	ppm	2	<1	2	2
Potassium	ppm	1	2	2	0



WEAR METALS

Iron	ppm	<1	4	5	5
Copper	ppm	<1	1	3	1
Lead	ppm	0	0	<1	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	2	1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	56	60	60	41
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	969	1054	1200	1587
Magnesium	ppm	912	1006	984	532
Zinc	ppm	1201	1290	1300	1103
Phosphorus	ppm	996	1026	1074	875
Barium	ppm	0	0	0	0
Boron	ppm	2	0	2	36

Depot: VOLVO2990
Unique No: 10764760
Signed: Don Baldrige
Report Date: 01 Dec 2023



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VOLVO GRAPHS

