



CONSTRUCTION EQUIPMENT

606935 STONE CO VOLVO L260H 1301 - DIESEL ENGINE



Sample No: VCP431346
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 606935 STONE CO



SAMPLE INFORMATION

Sample Number	VCP431346	VCP412656	VCP407921	VCP408800
Sample Date	19 Sep 2023	27 Jul 2023	01 Jun 2023	14 Apr 2023
Machine Hours	4943	4470	3962	3493
Oil Hours	500	500	500	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.0	13.5	13.0	13.3
Base Number (BN)	mg KOH/g	8.7	8.6	10.0	8.2
Oxidation (PA)	%	58	59	81	58



CONTAMINATION

Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	57	58	61	61
Sulfation (PA)	%	52	53	63	51
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	3	4	0
Sodium	ppm	<1	2	2	2
Potassium	ppm	2	2	0	<1



WEAR METALS

Iron	ppm	4	5	5	5
Copper	ppm	1	3	1	4
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	2	1	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	60	60	41	58
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1054	1200	1587	1098
Magnesium	ppm	1006	984	532	1008
Zinc	ppm	1290	1300	1103	1311
Phosphorus	ppm	1026	1074	875	1086
Barium	ppm	0	0	0	0
Boron	ppm	0	2	36	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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VOLVO2990
Unique No: 10668482
Signed: Jonathan Hester
Report Date: 28 Sep 2023



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VOLVO GRAPHS

