



CONSTRUCTION EQUIPMENT

700270 STONE CO VOLVO L260H 1331 - DIESEL ENGINE



Sample No: VCP446976
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 700270 STONE CO



SAMPLE INFORMATION

Sample Number	VCP446976	VCP435963	VCP431910	VCP380681
Sample Date	09 Apr 2024	09 Nov 2023	05 Oct 2023	16 Aug 2023
Machine Hours	4868	3777	3443	2959
Oil Hours	500	500	5	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	12.9	13.2	13.8
Base Number (BN)	mg KOH/g	9.7	9.3	8.8	8.0
Oxidation (PA)	%	82	59	58	55

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.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.2	0.2	0.3
Nitration (PA)	%	67	58	59	58
Sulfation (PA)	%	62	53	52	51
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	3	4	4
Sodium	ppm	3	1	2	2
Potassium	ppm	3	3	1	5



WEAR METALS

Iron	ppm	5	<1	4	6
Copper	ppm	<1	<1	7	2
Lead	ppm	<1	0	<1	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	40	55	62	60
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	1573	993	1128	1132
Magnesium	ppm	523	931	962	899
Zinc	ppm	1013	1241	1310	1206
Phosphorus	ppm	890	1008	1049	983
Barium	ppm	0	0	0	0
Boron	ppm	29	3	1	2

Depot: VOLVO2990
Unique No: 10981652
Signed: Wes Davis
Report Date: 19 Apr 2024



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GRAPHS

