



CONSTRUCTION EQUIPMENT

700262 STONE CO VOLVO L260H 1301 - DIESEL ENGINE



Sample No: VCP446979
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 700262 STONE CO



SAMPLE INFORMATION

Sample Number	VCP446979	VCP452282	VCP442769	VCP431346
Sample Date	09 Apr 2024	22 Jan 2024	05 Nov 2023	19 Sep 2023
Machine Hours	6441	5967	5471	4943
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	12.7	12.8	12.6	13.0
Base Number (BN)	mg KOH/g	8.7	8.5	8.8	8.7
Oxidation (PA)	%	61	59	59	58

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 %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	63	62	61	57
Sulfation (PA)	%	53	52	53	52
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	2	2	2
Sodium	ppm	1	0	2	<1
Potassium	ppm	<1	2	1	2



WEAR METALS

Iron	ppm	4	4	<1	4
Copper	ppm	3	1	<1	1
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	2	<1	2
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	56	64	56	60
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1012	1078	969	1054
Magnesium	ppm	919	1011	912	1006
Zinc	ppm	1130	1244	1201	1290
Phosphorus	ppm	980	933	996	1026
Barium	ppm	0	5	0	0
Boron	ppm	1	1	2	0

Depot: VOLVO2990
Unique No: 10981651
Signed: Wes Davis
Report Date: 19 Apr 2024



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GRAPHS

