



CONSTRUCTION EQUIPMENT

567463 MOSIAC VOLVO L260H 1258 - DIESEL ENGINE



Sample No: VCP422670
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 567463 MOSIAC



SAMPLE INFORMATION

Sample Number	VCP422670	VCP402998	VCP390692	VCP372236
Sample Date	27 Jun 2023	17 Feb 2023	04 Oct 2022	10 Jun 2022
Machine Hours	3304	2683	2102	1643
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	MARGINAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.5	12.4	13.2	12.8
Base Number (BN)	mg KOH/g	9.0	9.7	10.9	9.6
Oxidation (PA)	%	82	82	87	83



CONTAMINATION

Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	70	63	62	70
Sulfation (PA)	%	59	62	67	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	0.9	<1.0	<1.0
Silicon	ppm	11	6	7	7
Sodium	ppm	3	2	3	3
Potassium	ppm	3	0	2	0



WEAR METALS

Iron	ppm	12	6	4	8
Copper	ppm	6	2	8	61
Lead	ppm	0	<1	1	2
Tin	ppm	<1	<1	1	1
Aluminum	ppm	3	1	3	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	50	38	39	44
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	<1	0	<1
Manganese	ppm	<1	1	1	<1
Vanadium	ppm	<1	<1	1	0



ADDITIVES

Calcium	ppm	1765	1594	1659	1695
Magnesium	ppm	526	484	473	465
Zinc	ppm	1114	1016	1092	1085
Phosphorus	ppm	953	847	917	891
Barium	ppm	0	0	0	0
Boron	ppm	33	31	32	37

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: VOLVO0093
Unique No: 10573994
Signed: Wes Davis
Report Date: 27 Jul 2023



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VOLVO GRAPHS

