



CONSTRUCTION EQUIPMENT

SPM620688 GOLD BOND VOLVO L260H 1145 - DIESEL ENGINE



Sample No: VCP428722
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM620688 GOLD BOND



SAMPLE INFORMATION

Sample Number	VCP428722	VCP393715	VCP390593	VCP337786
Sample Date	25 Oct 2023	28 Feb 2023	22 Sep 2022	22 Jun 2022
Machine Hours	7669	6572	5976	5741
Oil Hours	0	0	0	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	13.3	12.8	13.3
Base Number (BN)	mg KOH/g	7.9	8.5	11.2	7.4
Oxidation (PA)	%	63	60	76	54

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

Soot %	%	0.5	0.3	0.2	0.2
Nitration (PA)	%	63	69	61	73
Sulfation (PA)	%	55	53	62	52
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	6	3
Sodium	ppm	<1	0	2	2
Potassium	ppm	0	2	0	0



WEAR METALS

Iron	ppm	6	8	4	3
Copper	ppm	<1	2	<1	<1
Lead	ppm	<1	<1	1	1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	1	2	0	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	64	56	54	84
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1220	1128	1681	2206
Magnesium	ppm	998	838	502	54
Zinc	ppm	1410	1170	1116	1153
Phosphorus	ppm	1110	987	982	988
Barium	ppm	0	0	0	0
Boron	ppm	9	5	44	75

Depot: VOLVO5023
Unique No: 10727202
Signed: Don Baldrige
Report Date: 07 Nov 2023



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GRAPHS

