



CONSTRUCTION EQUIPMENT

SPM538829 SC/MI PAV VOLVO L260H 1301 - DIESEL ENGINE



Sample No: VCP408800
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM538829 SC/MI PAV



SAMPLE INFORMATION

Sample Number	VCP408800	VCP376349	VCP368696	VCP371923
Sample Date	14 Apr 2023	30 Jan 2023	21 Nov 2022	26 Sep 2022
Machine Hours	3493	2942	2563	0
Oil Hours	0	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	13.3	13.8	13.3	14.6
Base Number (BN)	mg KOH/g	8.2	8.7	9.4	10.7
Oxidation (PA)	%	58	55	63	57



CONTAMINATION

Soot %	%	0.2	0.2	0.3	0.1
Nitration (PA)	%	61	57	69	47
Sulfation (PA)	%	51	50	55	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	0	3	3	4
Sodium	ppm	2	0	<1	<1
Potassium	ppm	<1	2	0	<1



WEAR METALS

Iron	ppm	5	4	6	3
Copper	ppm	4	2	3	2
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	0	1	0
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	58	59	59	59
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1098	1056	1088	1021
Magnesium	ppm	1008	911	951	900
Zinc	ppm	1311	1211	1268	1154
Phosphorus	ppm	1086	1011	1008	1024
Barium	ppm	0	0	0	0
Boron	ppm	0	0	3	27

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: 10444407
Signed: Don Baldrige
Report Date: 01 May 2023



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GRAPHS

