



CONSTRUCTION EQUIPMENT

SW10373561 IAA VOLVO L90H 625734 - DIESEL ENGINE



Sample No: VCP396317
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW10373561 IAA



SAMPLE INFORMATION

Sample Number	VCP396317	VCP399616	VCP397609	VCP376586
Sample Date	08 Jul 2024	29 Dec 2023	05 Jan 2023	29 Aug 2022
Machine Hours	5728	5252	3644	2973
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.8	14.1	13.6	13.3
Base Number (BN)	mg KOH/g	6.7	7.1	8.4	11.9
Oxidation (PA)	%	38	42	60	86

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	0.6	0.4
Nitration (PA)	%	54	56	67	62
Sulfation (PA)	%	46	48	55	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	5	6	4
Sodium	ppm	<1	0	5	5
Potassium	ppm	2	3	<1	1



WEAR METALS

Iron	ppm	5	7	12	8
Copper	ppm	<1	1	<1	2
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	0	1	<1
Aluminum	ppm	4	2	4	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	10	22	66	46
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	2256	2525	1407	1607
Magnesium	ppm	85	190	668	476
Zinc	ppm	1157	1380	1182	1064
Phosphorus	ppm	955	1121	1024	878
Barium	ppm	0	3	0	2
Boron	ppm	11	26	125	37

Depot: VOLVO5856
Unique No: 11123248
Signed: Wes Davis
Report Date: 12 Jul 2024



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VOLVO GRAPHS

