



CONSTRUCTION EQUIPMENT

W07013669-1 VOLVO SD115B 236740 - DIESEL ENGINE



Sample No: VCP409385
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W07013669-1



SAMPLE INFORMATION

Sample Number	VCP409385	VCP245620	---	---
Sample Date	23 Oct 2023	22 Jul 2022	---	---
Machine Hours	985	489	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
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OIL CONDITION

Visc @ 100°C	cSt	13.1	▲ 12.4	---	---
Base Number (BN)	mg KOH/g	7.5	■ 9.9	---	---
Oxidation (PA)	%	74	80	---	---

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. Confirm oil type. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	0.3	■ 0.2	---	---
Nitration (PA)	%	84	76	---	---
Sulfation (PA)	%	56	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	■ 0.8	---	---
Silicon	ppm	11	■ 26	---	---
Sodium	ppm	5	■ 4	---	---
Potassium	ppm	0	■ 2	---	---



WEAR METALS

Iron	ppm	34	■ 58	---	---
Copper	ppm	7	■ 31	---	---
Lead	ppm	0	■ 2	---	---
Tin	ppm	<1	■ 4	---	---
Aluminum	ppm	12	■ 39	---	---
Chromium	ppm	3	■ 6	---	---
Molybdenum	ppm	49	■ 33	---	---
Nickel	ppm	<1	■ 1	---	---
Titanium	ppm	<1	■ <1	---	---
Silver	ppm	0	■ <1	---	---
Manganese	ppm	1	■ 5	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1237	■ 1538	---	---
Magnesium	ppm	768	■ 578	---	---
Zinc	ppm	904	■ 1064	---	---
Phosphorus	ppm	548	■ 856	---	---
Barium	ppm	0	■ 0	---	---
Boron	ppm	23	■ 55	---	---

Depot: VOLVO8882
Unique No: 10711605
Signed: Sean Felton
Report Date: 27 Oct 2023



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GRAPHS

