



CONSTRUCTION EQUIPMENT

X13914 BOBS TREE SVC VOLVO L20B 1701244 - DIESEL ENGINE



Sample No: VCP399211
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X13914 BOBS TREE SVC



SAMPLE INFORMATION

Sample Number	VCP399211	VCE018990	---	---
Sample Date	26 Feb 2024	06 Feb 2023	---	---
Machine Hours	5390	5013	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	█ 13.5	---	---
Base Number (BN)	mg KOH/g	█ 9.1	█ 9.1	---	---
Oxidation (PA)	%	73	68	---	---

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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.7	---	---
Nitration (PA)	%	65	83	---	---
Sulfation (PA)	%	63	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 12	█ 9	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ <1	█ 2	---	---



WEAR METALS

Iron	ppm	█ 12	█ 12	---	---
Copper	ppm	█ <1	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 6	█ 5	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 115	█ 106	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1470	█ 1460	---	---
Magnesium	ppm	█ 639	█ 607	---	---
Zinc	ppm	█ 933	█ 873	---	---
Phosphorus	ppm	█ 744	█ 693	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 255	█ 334	---	---

Depot: VOLVO6241
Unique No: 10902244
Signed: Don Baldrige
Report Date: 02 Mar 2024



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GRAPHS

