



CONSTRUCTION EQUIPMENT

X48568 VOLVO L25HS 1420318 - DIESEL ENGINE



Sample No: VCP430714
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X48568



SAMPLE INFORMATION

Sample Number	VCP430714	VCP378208	---	---
Sample Date	16 Feb 2024	09 Nov 2022	---	---
Machine Hours	486	427	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.3	11.0	---	---
Base Number (BN)	mg KOH/g	9.3	10.8	---	---
Oxidation (PA)	%	91	91	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	78	73	---	---
Sulfation (PA)	%	63	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.4	---	---
Silicon	ppm	6	14	---	---
Sodium	ppm	0	3	---	---
Potassium	ppm	2	0	---	---



WEAR METALS

Iron	ppm	6	12	---	---
Copper	ppm	3	9	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	1	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	29	34	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1115	1780	---	---
Magnesium	ppm	344	433	---	---
Zinc	ppm	774	1015	---	---
Phosphorus	ppm	608	851	---	---
Barium	ppm	1	12	---	---
Boron	ppm	23	37	---	---

Depot: VOLVO6244
Unique No: 10888097
Signed: Wes Davis
Report Date: 21 Feb 2024



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GRAPHS

