



CONSTRUCTION EQUIPMENT

737940 IAA VOLVO L90H 625 154 - DIESEL ENGINE



Sample No: VCP281930
Oil Type: CHEVRON 15W40
Job No: 737940 IAA



SAMPLE INFORMATION

Sample Number	VCP281930	VCP396618	---	---
Sample Date	12 Apr 2024	31 Aug 2023	---	---
Machine Hours	8783	7575	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	█ 13.8	---	---
Base Number (BN)	mg KOH/g	█ 8.2	█ 8.7	---	---
Oxidation (PA)	%	71	69	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.4	█ 1	---	---
Nitration (PA)	%	73	77	---	---
Sulfation (PA)	%	63	65	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 7	---	---
Sodium	ppm	█ 0	█ 1	---	---
Potassium	ppm	█ 0	█ <1	---	---



WEAR METALS

Iron	ppm	█ 6	█ 11	---	---
Copper	ppm	█ 0	█ <1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 5	█ 9	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 143	█ 137	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1903	█ 1819	---	---
Magnesium	ppm	█ 724	█ 773	---	---
Zinc	ppm	█ 1007	█ 1008	---	---
Phosphorus	ppm	█ 841	█ 821	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 223	█ 183	---	---

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: VOLVO0088
Unique No: 10994123
Signed: Wes Davis
Report Date: 25 Apr 2024



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GRAPHS

