



CONSTRUCTION EQUIPMENT

SPM702048 LKQ VOLVO L110H 632728 - DIESEL ENGINE



Sample No: VCP446798
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM702048 LKQ



SAMPLE INFORMATION

Sample Number	VCP446798	---	---	---
Sample Date	30 Apr 2024	---	---	---
Machine Hours	482	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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5000 INDUSTRIAL HWY
GARY, IN
US 46406
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F:



OIL CONDITION

Visc @ 100°C	cSt	█ 12.0	---	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	70	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Blower/turbocharger and/or piston wear is indicated. All other 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 acceptable for the time in service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 21	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	▲ 66	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 32	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1562	---	---	---
Magnesium	ppm	█ 561	---	---	---
Zinc	ppm	█ 1144	---	---	---
Phosphorus	ppm	█ 1030	---	---	---
Barium	ppm	█ 5	---	---	---
Boron	ppm	█ 69	---	---	---

Depot: VOLVO8885
Unique No: 11084078
Signed: Sean Felton
Report Date: 19 Jun 2024



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GRAPHS

