



CONSTRUCTION EQUIPMENT

W0230332 VOLVO L60H 622812 - DIESEL ENGINE



Sample No: VCP429780
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W0230332



SAMPLE INFORMATION

Sample Number	VCP429780	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	1277	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	66	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	59	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 22	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	● 13	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 130	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1676	---	---	---
Magnesium	ppm	█ 685	---	---	---
Zinc	ppm	█ 917	---	---	---
Phosphorus	ppm	█ 764	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 280	---	---	---

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. The oil change at the time of sampling has been noted. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Aluminum ppm levels are noted. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0081
Unique No: 11003246
Signed: Sean Felton
Report Date: 01 May 2024



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GRAPHS

