



CONSTRUCTION EQUIPMENT

319341 IAA VOLVO L90H 626972 - DIESEL ENGINE



Sample No: VCP350409
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 319341 IAA



SAMPLE INFORMATION

Sample Number	VCP350409	---	---	---
Sample Date	05 Dec 2023	---	---	---
Machine Hours	1066	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

PACWEST MACHINERY

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	86	---	---	---

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. Resample at the next service interval to monitor. All 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 condition of the oil is acceptable for the time in service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 20	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 39	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	▲ 5	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1682	---	---	---
Magnesium	ppm	█ 601	---	---	---
Zinc	ppm	█ 1195	---	---	---
Phosphorus	ppm	█ 1016	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 31	---	---	---

Depot: VOLVO1272
Unique No: 10802531
Signed: Sean Felton
Report Date: 22 Dec 2023



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GRAPHS

