



CONSTRUCTION EQUIPMENT

9726 VOLVO L70H 622038 - DIESEL ENGINE



Sample No: VCP426395
Oil Type: CHEVRON 15W40
Job No: 9726



SAMPLE INFORMATION

Sample Number	VCP426395	VCP401099	VCP371070	---
Sample Date	02 Oct 2023	13 Apr 2023	11 Nov 2022	---
Machine Hours	7606	6625	5522	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---



RECYCLE 1

4700 LAWRENCE ST
 HYATTSVILLE, MD
 US 20781

Contact: MIKE DESJARDINS
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OIL CONDITION

Visc @ 100°C	cSt	13.6	13.9	14.0	---
Base Number (BN)	mg KOH/g	4.7	6.1	7.8	---
Oxidation (PA)	%	76	76	70	---



CONTAMINATION

Soot %	%	1.1	0.6	0.5	---
Nitration (PA)	%	74	73	81	---
Sulfation (PA)	%	69	68	61	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	▲ 51	▲ 30	▲ 38	---
Sodium	ppm	2	2	1	---
Potassium	ppm	2	2	0	---



WEAR METALS

Iron	ppm	31	27	18	---
Copper	ppm	2	2	2	---
Lead	ppm	2	1	0	---
Tin	ppm	1	<1	<1	---
Aluminum	ppm	▲ 15	▲ 11	▲ 11	---
Chromium	ppm	1	1	<1	---
Molybdenum	ppm	98	91	55	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	1	2	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	<1	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1554	1522	1500	---
Magnesium	ppm	465	482	795	---
Zinc	ppm	1370	1350	1253	---
Phosphorus	ppm	1088	1078	1064	---
Barium	ppm	0	0	0	---
Boron	ppm	106	175	4	---

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter 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.

Depot: RECHYA
Unique No: 10676011
Signed: Sean Felton
Report Date: 06 Oct 2023



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GRAPHS

