



CONSTRUCTION EQUIPMENT

74846 LAKE CONWAY VOLVO L20H 20521 - DIESEL ENGINE



Sample No: VCP445679
Oil Type: {unknown}
Job No: 74846 LAKE CONWAY



SAMPLE INFORMATION

Sample Number	VCP445679	---	---	---
Sample Date	20 Feb 2024	---	---	---
Machine Hours	915	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	11.1	---	---	---
Base Number (BN)	mg KOH/g	8.4	---	---	---
Oxidation (PA)	%	86	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Metal levels are typical for a new component breaking in. Fuel content negligible. 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	---	---	---
Nitration (PA)	%	75	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.3	---	---	---
Silicon	ppm	16	---	---	---
Sodium	ppm	6	---	---	---
Potassium	ppm	3	---	---	---



WEAR METALS

Iron	ppm	13	---	---	---
Copper	ppm	29	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	37	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	1651	---	---	---
Magnesium	ppm	397	---	---	---
Zinc	ppm	988	---	---	---
Phosphorus	ppm	820	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	28	---	---	---

Depot: VOLVO0093
Unique No: 10900903
Signed: Jonathan Hester
Report Date: 04 Mar 2024



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GRAPHS

