



CONSTRUCTION EQUIPMENT

SPM579230 GENERAL RV VOLVO L20H 1220273 - DIESEL ENGINE



Sample No: VCP419521
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM579230 GENERAL RV



SAMPLE INFORMATION

Sample Number	VCP419521	VCP401743	---	---
Sample Date	12 Sep 2023	07 Feb 2023	---	---
Machine Hours	2490	1867	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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5000 INDUSTRIAL HWY
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OIL CONDITION

Visc @ 100°C	cSt	█ 14.2	█ 13.7	---	---
Base Number (BN)	mg KOH/g	█ 7.5	█ 6.5	---	---
Oxidation (PA)	%	78	91	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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 suitable for further service.



CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	91	105	---	---
Sulfation (PA)	%	56	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 5	---	---
Sodium	ppm	█ 4	█ 2	---	---
Potassium	ppm	█ 2	█ 0	---	---



WEAR METALS

Iron	ppm	█ 6	█ 6	---	---
Copper	ppm	█ 2	█ 4	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 65	█ 63	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1160	█ 1152	---	---
Magnesium	ppm	█ 1068	█ 934	---	---
Zinc	ppm	█ 1391	█ 1245	---	---
Phosphorus	ppm	█ 1128	█ 938	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 2	█ 2	---	---

Depot: VOLVO8885
Unique No: 10658034
Signed: Wes Davis
Report Date: 21 Sep 2023



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GRAPHS

