



CONSTRUCTION EQUIPMENT

SPM661128 GENERAL RV VOLVO L20H 1220321 - DIESEL ENGINE



Sample No: VCP423238
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM661128 GENERAL RV



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SAMPLE INFORMATION

Sample Number	VCP423238	VCP379231	VCP358182	---
Sample Date	03 Feb 2024	14 Jun 2022	11 Apr 2022	---
Machine Hours	3506	947	618	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	13.8	13.2	11.5	---
Base Number (BN)	mg KOH/g	8.4	10.3	9.7	---
Oxidation (PA)	%	69	98	105	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	82	83	92	---
Sulfation (PA)	%	54	68	68	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.3	---
Silicon	ppm	4	9	15	---
Sodium	ppm	1	4	6	---
Potassium	ppm	2	0	2	---



WEAR METALS

Iron	ppm	6	8	14	---
Copper	ppm	1	26	88	---
Lead	ppm	0	0	0	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	2	2	3	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	63	42	38	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	0	<1	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	970	1658	1885	---
Magnesium	ppm	950	478	459	---
Zinc	ppm	1234	1111	1029	---
Phosphorus	ppm	872	887	902	---
Barium	ppm	11	0	<1	---
Boron	ppm	0	52	52	---

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.

Depot: VOLVO8885
Unique No: 10882805
Signed: Wes Davis
Report Date: 16 Feb 2024



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GRAPHS

