



CONSTRUCTION EQUIPMENT

SPM581492 GENERAL RV VOLVO L20H 1220336 - DIESEL ENGINE



Sample No: VCP420684
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM581492 GENERAL RV



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SAMPLE INFORMATION

Sample Number	VCP420684	VCP365802	VCP358314	---
Sample Date	25 Aug 2023	08 Nov 2022	14 Jun 2022	---
Machine Hours	2055	1623	1015	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 100°C	cSt	13.9	13.6	14.1	---
Base Number (BN)	mg KOH/g	8.6	9.6	10.0	---
Oxidation (PA)	%	71	76	68	---

CONTAMINATION

Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	83	84	67	---
Sulfation (PA)	%	54	58	55	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	5	5	---
Sodium	ppm	3	1	2	---
Potassium	ppm	<1	2	0	---

WEAR METALS

Iron	ppm	5	6	5	---
Copper	ppm	2	4	16	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	<1	2	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	66	61	53	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	<1	0	---

ADDITIVES

Calcium	ppm	1184	1174	1149	---
Magnesium	ppm	1084	915	814	---
Zinc	ppm	1446	1289	1164	---
Phosphorus	ppm	1153	1058	927	---
Barium	ppm	0	2	0	---
Boron	ppm	1	5	8	---

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: 10632428
Signed: Wes Davis
Report Date: 05 Sep 2023



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GRAPHS

