

CONSTRUCTION EQUIPMENT

SPM607851 AMG RES LIEBHERR LH40 121384-1215 - DIESEL EN



Nickel

Silver

Titanium

Manganese

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

ppm

ADDITIVES

Oil Type: **DIESEL ENGINE OIL SAE 15W40**

Job No: **SPM607851 AMG RES**

SAMPLE II	NFORMATION				
Sample Number		VCP415190	VCP420689	VCP404144	VCP387419
Sample Date		12 Oct 2023	15 Aug 2023	06 Feb 2023	17 Nov 2022
Machine Hours		9922	9240	7852	7016
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	SEVERE	NORMAL	ATTENTION
OIL CONDI	TION				
Visc @ 100°C	cSt	13.9	5.5	■12.4	1 0.9
Base Number (BN)	mg KOH/g	■7.5	■8.0	■ 6.9	□7.9
Oxidation (PA)	%	58	49	84	96
CONTAMIN	NATION				
Soot %	%	■ 0.1	□0.1	□ 0.1	□0.1
Nitration (PA)	%	73	73	88	97
Sulfation (PA)	%	55	44	60	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	1.9	51.7	<1.0	△ 2.5
Silicon	ppm	■8	6	6	5
Sodium	ppm	4	2	0	4
Potassium	ppm	■ 4	6	2	
WEAR ME	TALS				
Iron	ppm	5	4	6	4
Copper	ppm	1	1	■3	2
Lead	ppm	■ <1	2	2	2
Tin	ppm	■ <1	0	< 1	- <1
Aluminum	ppm	2	1	2	- <1
Chromium	ppm	■<1	- <1	0	- <1
Molybdenum	ppm	17	■33	6 3	6 0

0

 $\square 0$

0

< 1</p>

0

<u></u> 583

555

716

572

0

0

 $\square 0$

0

- < 1

1059

919

1223

982

- < 1

< 1</p>

0

-<1

- < 1

815

1078

1264 953

0

21

ALTA EQUIPMENT CO - ORLAND PARK

5000 INDUSTRIAL HWY GARY, IN US 46406 Contact: DAVE ENG DAVE.ENG@ALTG.COM T: (312)350-2560 F:

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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:** 10712815 Signed: Wes Davis **Report Date:**

Contact/Location: DAVE ENG - VOLVO8885

-<1

- < 1

■0

0

<1

1113

707

891

788

0

46



CONSTRUCTION EQUIPMENT





