



CONSTRUCTION EQUIPMENT

VOLVO L180H L180H 5273 - DIESEL ENGINE



Sample No: VCP0007955
Oil Type: DIESEL ENGINE OIL SAE 40
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007955	VCP0002548	---	---
Sample Date	28 Nov 2023	15 Nov 2022	---	---
Machine Hours	6248	0	---	---
Oil Hours	6248	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.7	13.1	---	---
Base Number (BN)	mg KOH/g	9.3	11.0	---	---
Oxidation (PA)	%	81	88	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.2	0.3	---	---
Nitration (PA)	%	69	78	---	---
Sulfation (PA)	%	59	65	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	3	4	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	0	0	---	---



WEAR METALS

Iron	ppm	4	6	---	---
Copper	ppm	2	1	---	---
Lead	ppm	0	1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	36	42	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1692	1697	---	---
Magnesium	ppm	505	513	---	---
Zinc	ppm	1067	1255	---	---
Phosphorus	ppm	929	1010	---	---
Barium	ppm	0	0	---	---
Boron	ppm	30	19	---	---

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: VOLVO0092
Unique No: 10765930
Signed: Wes Davis
Report Date: 01 Dec 2023



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GRAPHS

