



CONSTRUCTION EQUIPMENT

VOLVO L60H 622622 - DIESEL ENGINE



Sample No: VCP0007410
Oil Type: DIESEL ENGINE OIL SAE 40
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007410	VCP0007545	VCP0003227	---
Sample Date	19 Oct 2023	24 Apr 2023	20 Oct 2022	---
Machine Hours	1787	1787	0	---
Oil Hours	1787	1787	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	13.2	12.9	12.8	---
Base Number (BN)	mg KOH/g	9.7	10.2	11.5	---
Oxidation (PA)	%	78	78	86	---

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 %	%	0.4	0.4	0.3	---
Nitration (PA)	%	64	67	68	---
Sulfation (PA)	%	59	60	66	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	2	8	---
Sodium	ppm	2	3	0	---
Potassium	ppm	0	<1	0	---



WEAR METALS

Iron	ppm	23	23	22	---
Copper	ppm	2	1	2	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	<1	2	---
Aluminum	ppm	4	6	5	---
Chromium	ppm	1	2	1	---
Molybdenum	ppm	43	45	39	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	1	2	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	1707	1821	1771	---
Magnesium	ppm	554	630	520	---
Zinc	ppm	1211	1233	1170	---
Phosphorus	ppm	978	1025	900	---
Barium	ppm	0	0	0	---
Boron	ppm	21	12	22	---

Depot: VOLVO0092
Unique No: 10710540
Signed: Wes Davis
Report Date: 25 Oct 2023



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GRAPHS

