



CONSTRUCTION EQUIPMENT

SW1029722 SUPERLITE VOLVO L90H 626359 - DIESEL ENGINE



Sample No: VCP439431
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1029722 SUPERLITE



SAMPLE INFORMATION

Sample Number	VCP439431	VCP417473	VCP390406	---
Sample Date	07 Feb 2024	20 Jul 2023	18 Jul 2023	---
Machine Hours	1403	906	900	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.5	13.5	---
Base Number (BN)	mg KOH/g	9.0	7.3	7.7	---
Oxidation (PA)	%	82	85	84	---

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

Water	%	NEG	NEG	NEG	---
Soot %	%	0.7	0.9	0.9	---
Nitration (PA)	%	73	81	80	---
Sulfation (PA)	%	61	66	66	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	8	18	17	---
Sodium	ppm	2	5	4	---
Potassium	ppm	0	<1	<1	---



WEAR METALS

Iron	ppm	21	56	55	---
Copper	ppm	4	14	14	---
Lead	ppm	1	1	<1	---
Tin	ppm	2	4	4	---
Aluminum	ppm	6	12	12	---
Chromium	ppm	1	3	3	---
Molybdenum	ppm	43	51	51	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	4	4	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1843	1629	1671	---
Magnesium	ppm	548	741	743	---
Zinc	ppm	1188	1245	1262	---
Phosphorus	ppm	1024	957	974	---
Barium	ppm	<1	4	5	---
Boron	ppm	30	19	21	---

Depot: VOLVO6174
Unique No: 10874376
Signed: Wes Davis
Report Date: 13 Feb 2024



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GRAPHS

