



CONSTRUCTION EQUIPMENT

SW1021759 SUPERLITE VOLVO L90H 626359 - DIESEL ENGINE



Sample No: VCP417473
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1021759 SUPERLITE



SAMPLE INFORMATION

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

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OIL CONDITION

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

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 %	%	0.9	0.9	---	---
Nitration (PA)	%	81	80	---	---
Sulfation (PA)	%	66	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	18	17	---	---
Sodium	ppm	5	4	---	---
Potassium	ppm	<1	<1	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	1629	1671	---	---
Magnesium	ppm	741	743	---	---
Zinc	ppm	1245	1262	---	---
Phosphorus	ppm	957	974	---	---
Barium	ppm	4	5	---	---
Boron	ppm	19	21	---	---

Depot: VOLVO6174
Unique No: 10575274
Signed: Wes Davis
Report Date: 27 Jul 2023



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GRAPHS

