



CONSTRUCTION EQUIPMENT

SW102498 ALL CITY TO VOLVO L90H 625755 - DIESEL ENGINE



Sample No: VCP406931
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW102498 ALL CITY TO



SAMPLE INFORMATION

Sample Number	VCP406931	VCP337836	---	---
Sample Date	22 Jun 2023	24 Jun 2022	---	---
Machine Hours	1022	519	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



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OIL CONDITION

Visc @ 100°C	cSt	14.3	12.5	---	---
Base Number (BN)	mg KOH/g	9.3	10.3	---	---
Oxidation (PA)	%	62	76	---	---



CONTAMINATION

Soot %	%	0.3	0.3	---	---
Nitration (PA)	%	62	61	---	---
Sulfation (PA)	%	54	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	18	---	---
Sodium	ppm	1	4	---	---
Potassium	ppm	1	<1	---	---



WEAR METALS

Iron	ppm	19	39	---	---
Copper	ppm	2	7	---	---
Lead	ppm	0	1	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	9	42	---	---
Chromium	ppm	2	6	---	---
Molybdenum	ppm	64	43	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1238	1575	---	---
Magnesium	ppm	1023	589	---	---
Zinc	ppm	1399	1109	---	---
Phosphorus	ppm	1119	943	---	---
Barium	ppm	15	0	---	---
Boron	ppm	5	59	---	---

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: VOLVO6174
Unique No: 10538107
Signed: Wes Davis
Report Date: 02 Jul 2023



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GRAPHS

