



CONSTRUCTION EQUIPMENT

A12896 IAA VOLVO L90H 626688 - DIESEL ENGINE



Sample No: VCP449563
Oil Type: MOBIL 15W40
Job No: A12896 IAA



SAMPLE INFORMATION

Sample Number	VCP449563	VCP440349	VCP412825	---
Sample Date	19 Jun 2024	23 Feb 2024	20 Sep 2023	---
Machine Hours	1645	1155	660	---
Oil Hours	500	500	660	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
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OIL CONDITION

Visc @ 100°C	cSt	13.5	12.4	12.7	---
Base Number (BN)	mg KOH/g	6.7	6.3	8.9	---
Oxidation (PA)	%	51	47	76	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.4	0.3	0.6	---
Nitration (PA)	%	71	62	68	---
Sulfation (PA)	%	54	49	59	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	0.6	<1.0	---
Silicon	ppm	7	7	26	---
Sodium	ppm	1	2	9	---
Potassium	ppm	2	2	5	---



WEAR METALS

Iron	ppm	17	20	48	---
Copper	ppm	2	3	13	---
Lead	ppm	<1	<1	2	---
Tin	ppm	2	2	5	---
Aluminum	ppm	5	6	27	---
Chromium	ppm	2	2	5	---
Molybdenum	ppm	10	23	49	---
Nickel	ppm	<1	1	<1	---
Titanium	ppm	23	<1	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	1	2	8	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	2239	1624	1776	---
Magnesium	ppm	201	264	712	---
Zinc	ppm	1184	975	1318	---
Phosphorus	ppm	971	790	1095	---
Barium	ppm	1	2	4	---
Boron	ppm	21	10	48	---

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: VOLVO8879
Unique No: 11101290
Signed: Wes Davis
Report Date: 28 Jun 2024



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GRAPHS

