



# CONSTRUCTION EQUIPMENT

## R24119 IAA-ENGLISHT VOLVO L90H 626998 - DIESEL ENGINE



**Sample No:** VCP436559  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** R24119 IAA-ENGLISHT



### SAMPLE INFORMATION

Sample Number	VCP436559	VCP390255	---	---
Sample Date	25 Jan 2024	10 Oct 2023	---	---
Machine Hours	958	431	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**HOFFMAN EQUIPMENT INC**  
300 S RANDOLPHVILLE RD  
PISCATAWAY, NJ  
US 08854  
Contact: IOANA BODOCHI  
ioana.bodochi@hoffmanequip.com  
T:  
F: (732)968-8371



### OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	█ 12.6	---	---
Base Number (BN)	mg KOH/g	█ 9.8	█ 10.3	---	---
Oxidation (PA)	%	82	76	---	---

### 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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.6	█ 0.5	---	---
Nitration (PA)	%	67	61	---	---
Sulfation (PA)	%	63	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 9	█ 18	---	---
Sodium	ppm	█ 0	█ 5	---	---
Potassium	ppm	█ 2	█ 3	---	---



### WEAR METALS

Iron	ppm	█ 26	█ 31	---	---
Copper	ppm	█ 3	█ 8	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ 2	█ 3	---	---
Aluminum	ppm	█ 3	█ 12	---	---
Chromium	ppm	█ 2	█ 2	---	---
Molybdenum	ppm	█ 43	█ 37	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ <1	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 2	█ 5	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	█ 1565	█ 1502	---	---
Magnesium	ppm	█ 544	█ 586	---	---
Zinc	ppm	█ 1176	█ 1148	---	---
Phosphorus	ppm	█ 889	█ 965	---	---
Barium	ppm	█ 0	█ 4	---	---
Boron	ppm	█ 33	█ 35	---	---

**Depot:** HOFPISNJ  
**Unique No:** 10860875  
**Signed:** Wes Davis  
**Report Date:** 05 Feb 2024

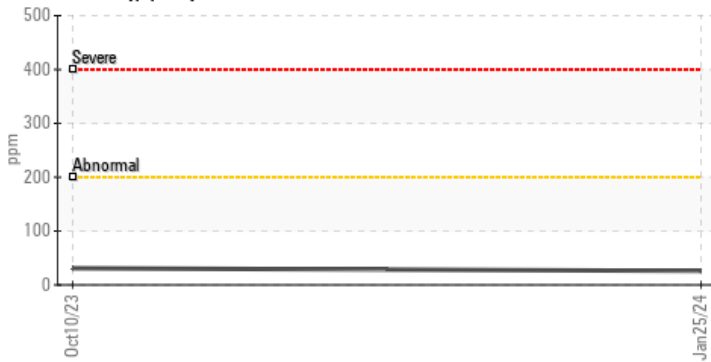


# CONSTRUCTION EQUIPMENT



## GRAPHS

### Iron (ppm)



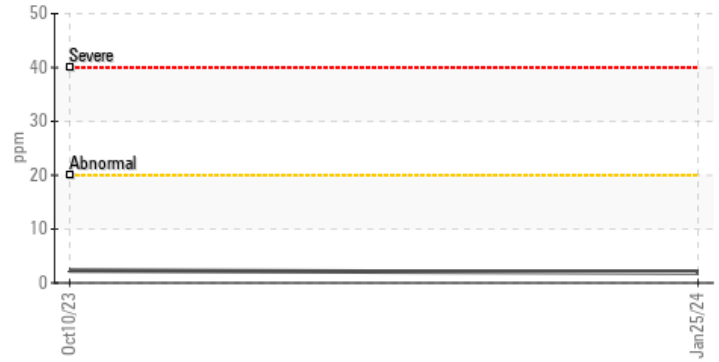
### Lead (ppm)



### Aluminum (ppm)



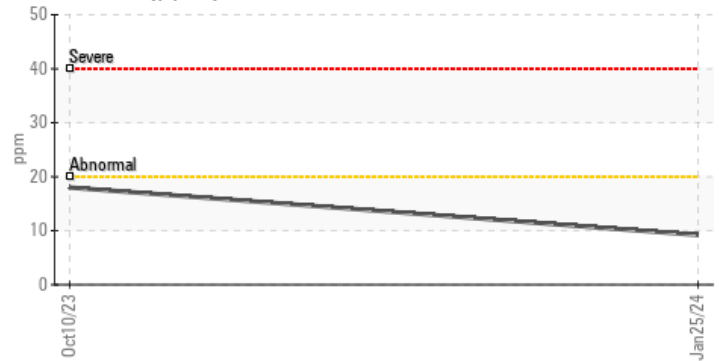
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

