



CONSTRUCTION EQUIPMENT

R25068 IAA-ENGLISHTO VOLVO L90H 626998 - DIESEL ENGINE



Sample No: VCP430640
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: R25068 IAA-ENGLISHTO



SAMPLE INFORMATION

Sample Number	VCP430640	VCP436559	VCP390255	---
Sample Date	13 May 2024	25 Jan 2024	10 Oct 2023	---
Machine Hours	1492	958	431	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	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	12.6	---
Base Number (BN)	mg KOH/g	10.1	9.8	10.3	---
Oxidation (PA)	%	82	82	76	---

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 %	%	0.6	0.6	0.5	---
Nitration (PA)	%	68	67	61	---
Sulfation (PA)	%	62	63	61	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	9	9	18	---
Sodium	ppm	4	0	5	---
Potassium	ppm	4	2	3	---



WEAR METALS

Iron	ppm	20	26	31	---
Copper	ppm	4	3	8	---
Lead	ppm	3	<1	2	---
Tin	ppm	3	2	3	---
Aluminum	ppm	6	3	12	---
Chromium	ppm	3	2	2	---
Molybdenum	ppm	44	43	37	---
Nickel	ppm	3	<1	<1	---
Titanium	ppm	2	<1	0	---
Silver	ppm	3	0	0	---
Manganese	ppm	3	2	5	---
Vanadium	ppm	2	0	0	---



ADDITIVES

Calcium	ppm	1686	1565	1502	---
Magnesium	ppm	505	544	586	---
Zinc	ppm	1105	1176	1148	---
Phosphorus	ppm	916	889	965	---
Barium	ppm	2	0	4	---
Boron	ppm	37	33	35	---

Depot: HOFPISNJ
Unique No: 11033690
Signed: Don Baldrige
Report Date: 20 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

