



CONSTRUCTION EQUIPMENT

SW1031517 IAA VOLVO L90H 627217 - DIESEL ENGINE



Sample No: VCP437521
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1031517 IAA



SAMPLE INFORMATION

Sample Number	VCP437521	---	---	---
Sample Date	18 Mar 2024	---	---	---
Machine Hours	576	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ARNOLD MACHINERY COMPANY
 4323 EAST WINSLOW AVENUE
 PHOENIX, AZ
 US 85040
 Contact: RANDY PRZEKURAT
 randyp@arnoldmachinery.com
 T:
 F: (602)414-1904



OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	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	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 37	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 20	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1718	---	---	---
Magnesium	ppm	█ 602	---	---	---
Zinc	ppm	█ 1173	---	---	---
Phosphorus	ppm	█ 1016	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	█ 37	---	---	---

Depot: VOLVO6174
Unique No: 10941506
Signed: Wes Davis
Report Date: 26 Mar 2024



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GRAPHS

