



CONSTRUCTION EQUIPMENT

SW1023492 UPAP VOLVO L90H 626690 - DIESEL ENGINE



Sample No: VCE196094
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1023492 UPAP



SAMPLE INFORMATION

Sample Number	VCE196094	---	---	---
Sample Date	01 Sep 2023	---	---	---
Machine Hours	643	---	---	---
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	█ 9.9	---	---	---
Oxidation (PA)	%	75	---	---	---

CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	60	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 28	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 1	---	---	---

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.

WEAR METALS

Iron	ppm	█ 39	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 12	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 40	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1605	---	---	---
Magnesium	ppm	█ 644	---	---	---
Zinc	ppm	█ 1148	---	---	---
Phosphorus	ppm	█ 969	---	---	---
Barium	ppm	█ 7	---	---	---
Boron	ppm	█ 46	---	---	---

Depot: VOLVO6174
Unique No: 10636128
Signed: Wes Davis
Report Date: 11 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

