



# CONSTRUCTION EQUIPMENT

SW1021732 VOLVO L90H 626359 - DIESEL ENGINE



Sample No: VCP390406

Oil Type: NOT GIVEN

Job No: SW1021732



## SAMPLE INFORMATION

Sample Number	VCP390406	---	---	---
Sample Date	18 Jul 2023	---	---	---
Machine Hours	900	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 7.7	---	---	---
Oxidation (PA)	%	84	---	---	---



## CONTAMINATION

Soot %	%	█ 0.9	---	---	---
Nitration (PA)	%	80	---	---	---
Sulfation (PA)	%	66	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 55	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 12	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 51	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1671	---	---	---
Magnesium	ppm	█ 743	---	---	---
Zinc	ppm	█ 1262	---	---	---
Phosphorus	ppm	█ 974	---	---	---
Barium	ppm	█ 5	---	---	---
Boron	ppm	█ 21	---	---	---



### ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE  
PHOENIX, AZ  
US 85040

Contact: RANDY PRZEKURAT  
randyp@arnoldmachinery.com

T:  
F: (602)414-1904

### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 40 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. 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.

Depot: VOLVO6174  
Unique No: 10566547  
Signed: Wes Davis  
Report Date: 24 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

