

CONSTRUCTION EQUIPMENT SW-27393 VOLVO L90H 625190 - DIESEL ENGINE



Sample No: VCP435898
Oil Type: MOBIL 15W40

SW-27393

Job No:

Lead

Aluminum

Chromium

Nickel

Silver

Titanium

Manganese

Vanadium

Molybdenum

Tin



ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH
SALT LAKE CITY, UT
US 84119
Contact: TONY PAYAN
tpayan@arnoldmachinery.com
T: (801)972-4000
F: (801)975-9434

Diagnosis

We advise that you check the fuel injection system. We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of fuel present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

ADDITIVES						
Calcium	ppm	■843	□1237	1283		
Magnesium	ppm	714	630	758		
Zinc	ppm	967	■ 1194	■1082		
Phosphorus	ppm	■797	■994	■899		
Barium	ppm	0	□0	□0		
Boron	ppm	5	□ 154	■32		

< 1</p>

< 1</p>

65

1

0

< 1</p>

< 1

<1

■9■2

4

4

<u></u> 58

8

37

0

< 1

0

0

5

Depot:VOLVO8770Unique No:10829973Signed:Jonathan HesterReport Date:15 Jan 2024

- < 1

| <1

10

2

48

-<1

■0

- < 1

<1

ppm



CONSTRUCTION EQUIPMENT





