CONSTRUCTION EQUIPMENT
SW1016064 LKQ VOLVO L90E 71078 - FRONT AXLE

Sample No: VCP404263
Oil Type: VOLVO WB 102
Job No: SW1016064 LKQ

ARNOLD MACHINERY COMPANY
4323 EAST WINSLOW AVENUE
PHOENIX, AZ
US 85040
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SAMPLE INFORMATION

Sample Number		**VCP404263**	---	---	---
Sample Date		**21 Jun 2023**	---	---	---
Machine Hours		**6452**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.5**	---	---	---

CONTAMINATION

Silicon	ppm	**7**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**1**	---	---	---

WEAR METALS

Iron	ppm	**10**	---	---	---
Copper	ppm	**<1**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**<1**	---	---	---
Chromium	ppm	**0**	---	---	---
Molybdenum	ppm	**<1**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**2329**	---	---	---
Magnesium	ppm	**9**	---	---	---
Zinc	ppm	**1068**	---	---	---
Phosphorus	ppm	**893**	---	---	---
Barium	ppm	**2**	---	---	---
Boron	ppm	**82**	---	---	---

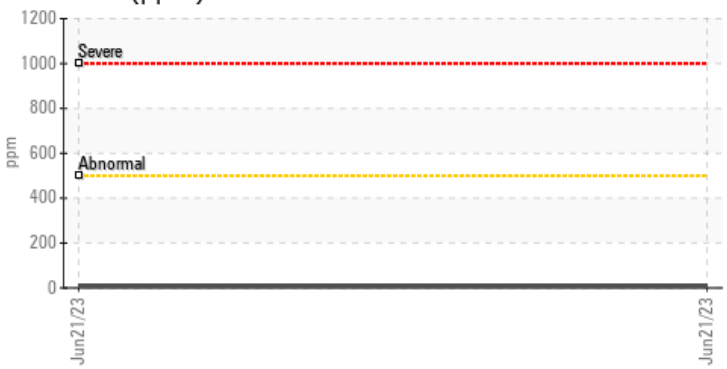
Diagnosis

Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO6174
Unique No: 10535197
Signed: Jonathan Hester
Report Date: 06 Jul 2023

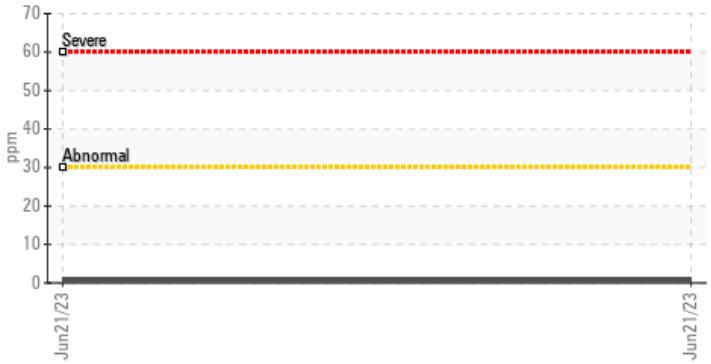
GRAPHS

Iron (ppm)



Lead (ppm)

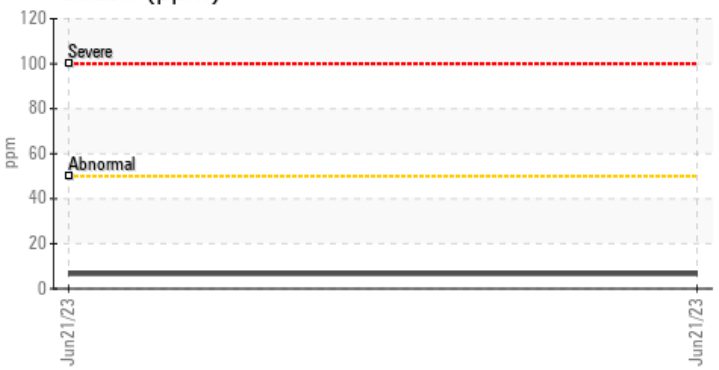
Aluminum (ppm)



Chromium (ppm)

Copper (ppm)

Silicon (ppm)



Viscosity @ 40°C

Additives