



CONSTRUCTION EQUIPMENT

SW1016064 LKQ VOLVO L90E 71078 - HYDRAULIC SYSTEM



Sample No: VCP404211
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SW1016064 LKQ



SAMPLE INFORMATION

Sample Number	VCP404211	---	---	---
Sample Date	21 Jun 2023	---	---	---
Machine Hours	6452	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

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 @ 40°C	cSt	█ 42.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.40	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 5488	---	---	---
Particles >6µm		▲ 1733	---	---	---
Particles >14µm		█ 126	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 319	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 451	---	---	---
Phosphorus	ppm	█ 360	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO6174
Unique No: 10534810
Signed: Jonathan Hester
Report Date: 29 Jun 2023

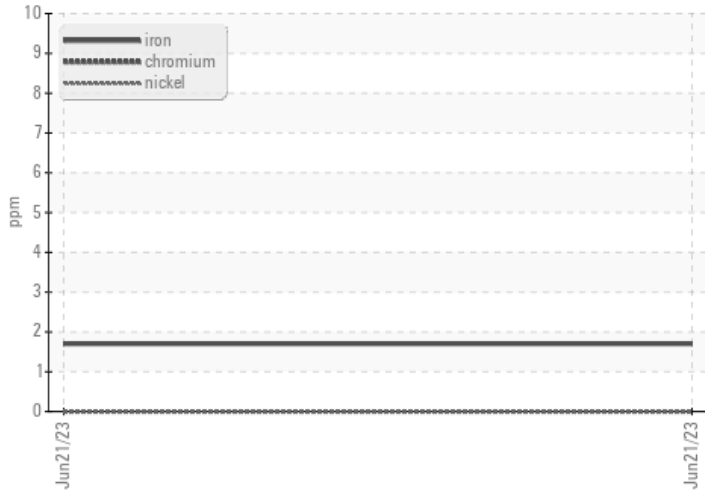


CONSTRUCTION EQUIPMENT

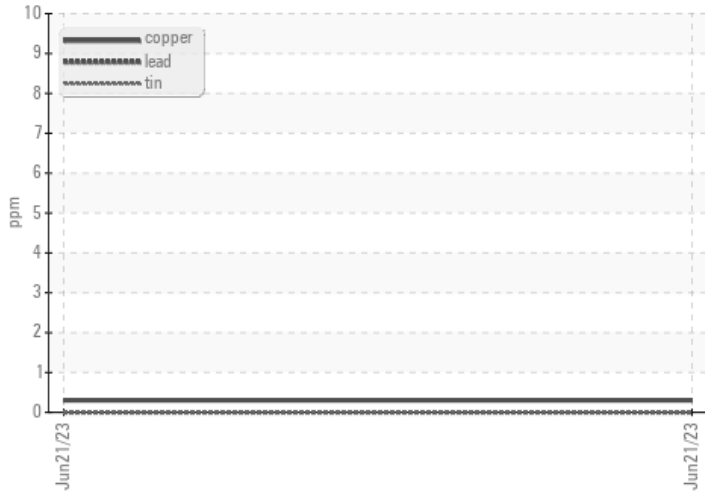


GRAPHS

Ferrous Alloys



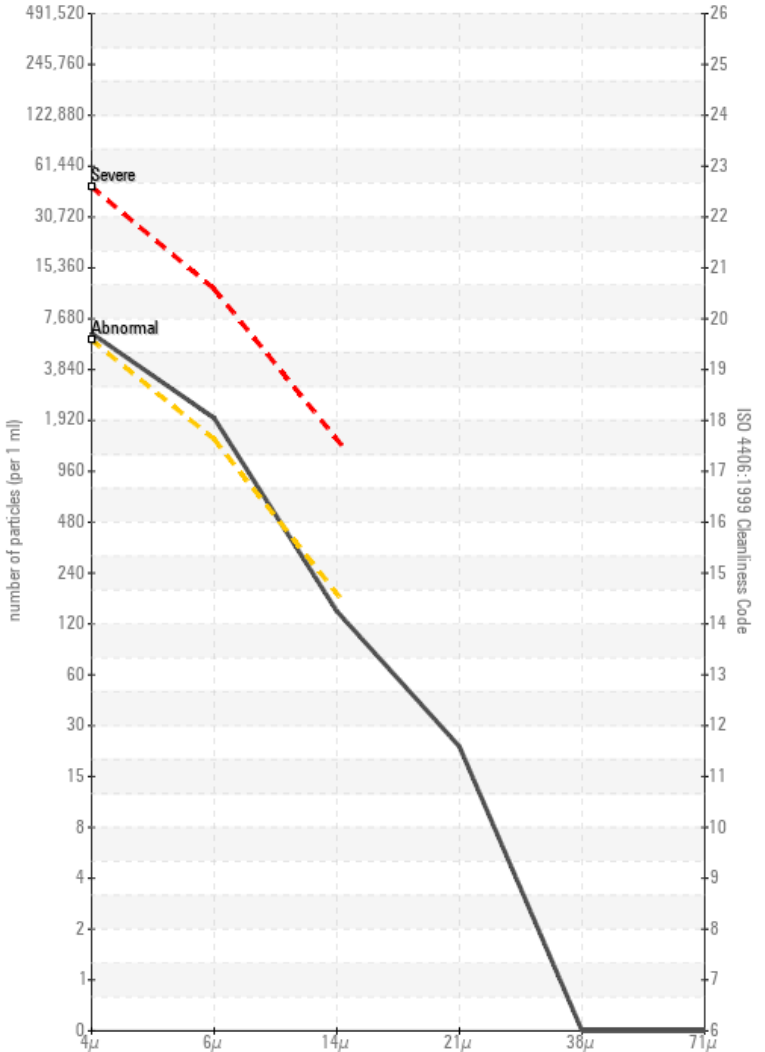
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

