



CONSTRUCTION EQUIPMENT

SW1020841 C&L ASPH VOLVO DD120C 288020 - HYDRAULIC SYSTEM



Sample No: VCP406708
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SW1020841 C&L ASPH



SAMPLE INFORMATION

Sample Number	VCP406708	---	---	---
Sample Date	06 Jul 2023	---	---	---
Machine Hours	2352	---	---	---
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	█ 45.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.39	---	---	---



CONTAMINATION

Particles >4µm		▲ 5853	---	---	---
Particles >6µm		▲ 1583	---	---	---
Particles >14µm		█ 77	---	---	---
ISO 4406:1999 (c)		20/18/13	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high 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 acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	4	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 181	---	---	---
Magnesium	ppm	█ 18	---	---	---
Zinc	ppm	█ 188	---	---	---
Phosphorus	ppm	█ 452	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 4	---	---	---

Depot: VOLVO6174
Unique No: 10551894
Signed: Angela Borella
Report Date: 13 Jul 2023

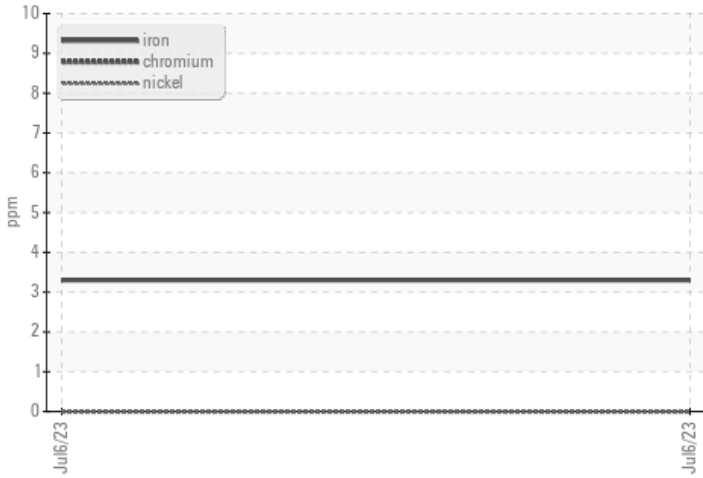


CONSTRUCTION EQUIPMENT

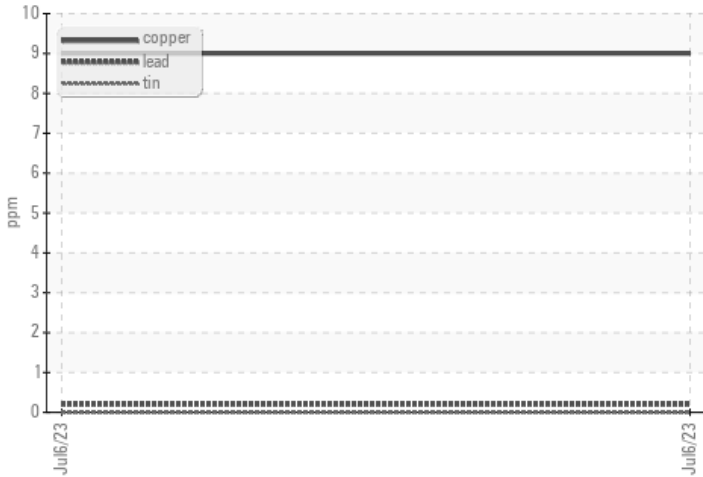


VOLVO GRAPHS

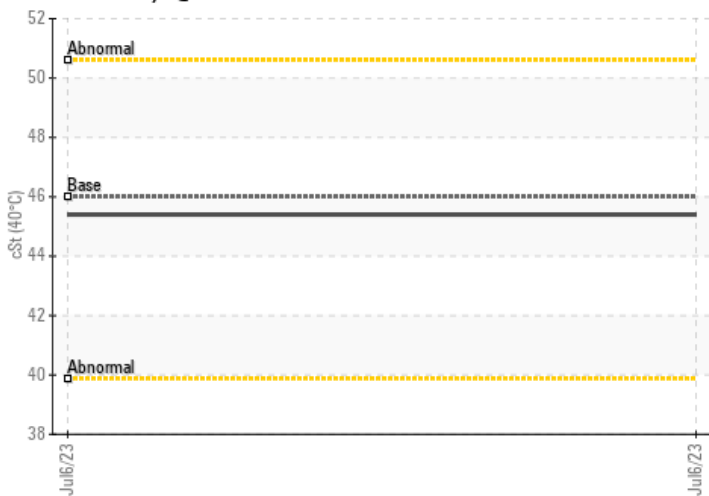
Ferrous Alloys



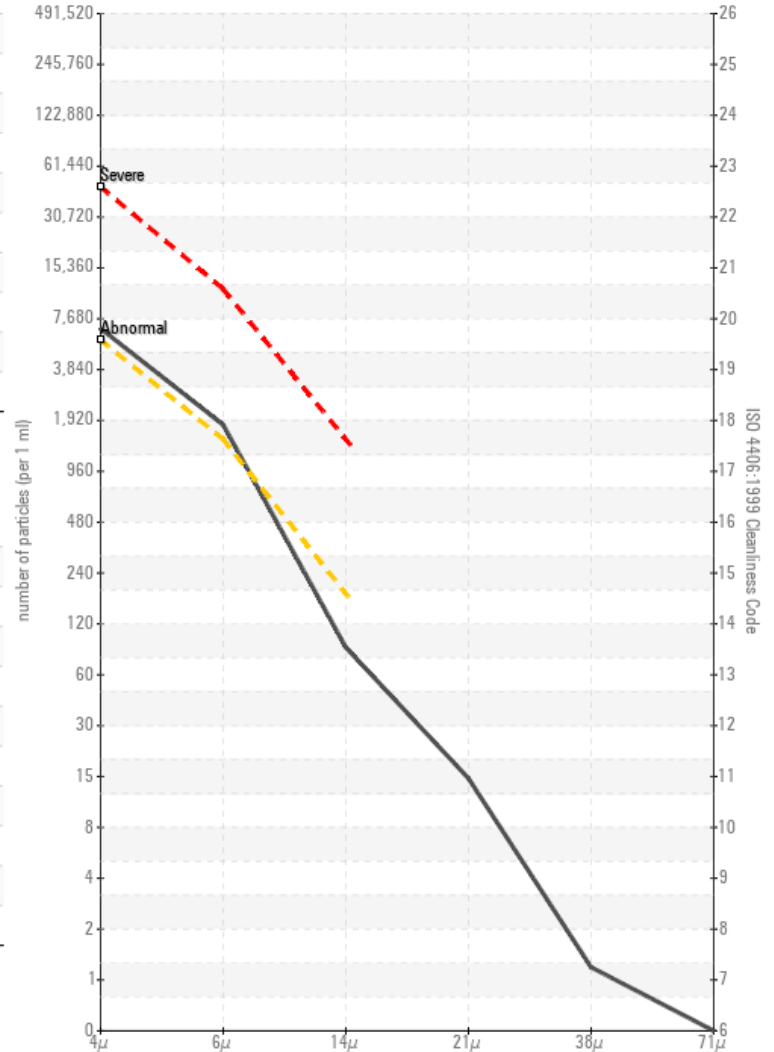
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

