



CONSTRUCTION EQUIPMENT

23980 VOLVO A40G 352464 - HYDRAULIC SYSTEM



Sample No: VCP408102
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 23980



SAMPLE INFORMATION

Sample Number	VCP408102	---	---	---
Sample Date	09 Sep 2023	---	---	---
Machine Hours	3992	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

218 - ASCENDUM MACHINERY INC - N. CHARLESTON
 7235 CROSS COUNTRY RD.
 NORTH CHARLESTON, SC
 US 29418
 Contact: MATT MITCHAM
 matt.mitcam@ascendummachinery.com
 T:
 F: (843)414-1129



OIL CONDITION

Visc @ 40°C	cSt	█ 42.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.34	---	---	---



CONTAMINATION

Particles >4µm		█ 2814	---	---	---
Particles >6µm		█ 831	---	---	---
Particles >14µm		█ 53	---	---	---
ISO 4406:1999 (c)		█ 19/17/13	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 34	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 436	---	---	---
Phosphorus	ppm	█ 341	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO3387
Unique No: 10648054
Signed: Wes Davis
Report Date: 18 Sep 2023

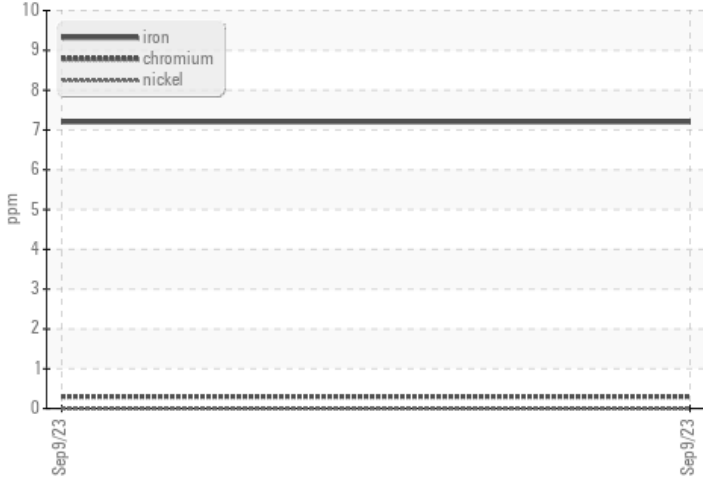


CONSTRUCTION EQUIPMENT

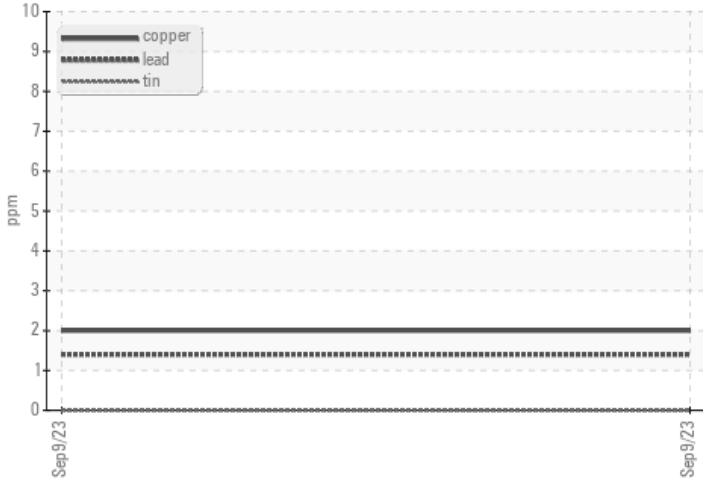


GRAPHS

Ferrous Alloys



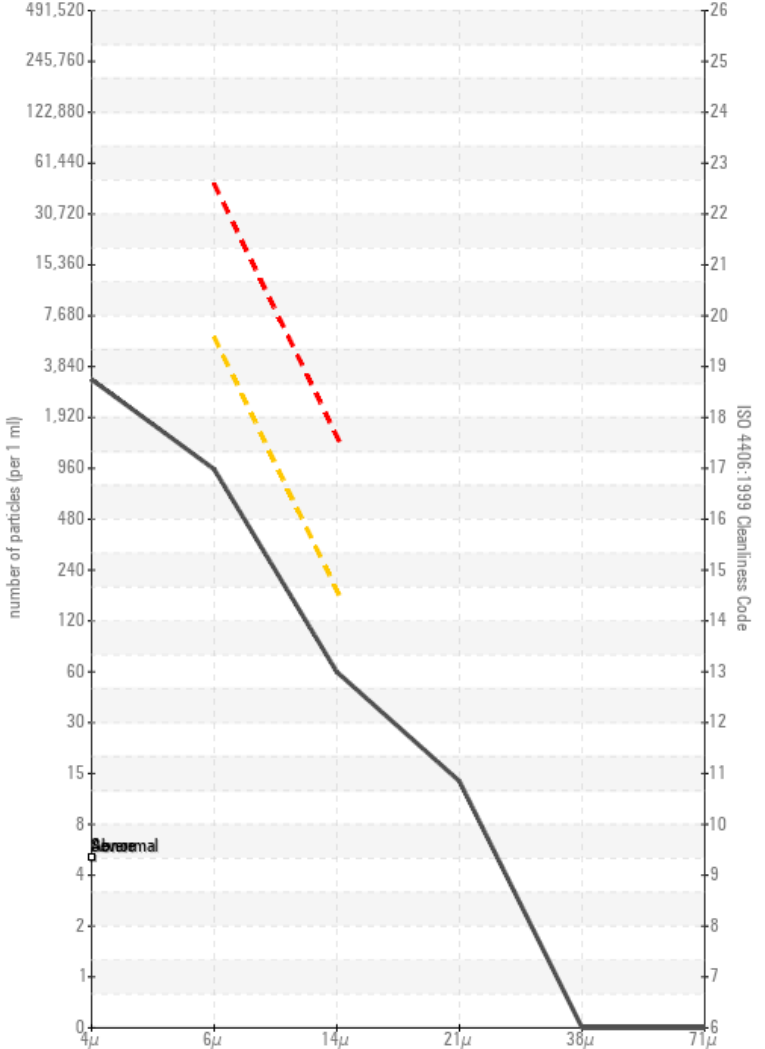
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

