



CONSTRUCTION EQUIPMENT

23964 VOLVO L70H 623763 - HYDRAULIC SYSTEM



Sample No: VCP435149
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 23964



218 - ASCENDUM MACHINERY INC - N. CHARLESTON
 7235 CROSS COUNTRY RD.
 NORTH CHARLESTON, SC
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SAMPLE INFORMATION

Sample Number	VCP435149	---	---	---
Sample Date	14 Sep 2023	---	---	---
Machine Hours	4069	---	---	---
Oil Hours	4000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 43.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.30	---	---	---



CONTAMINATION

Particles >4µm		▲ 6264	---	---	---
Particles >6µm		█ 1205	---	---	---
Particles >14µm		█ 110	---	---	---
ISO 4406:1999 (c)		20/17/14	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	< 1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 89	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 429	---	---	---
Phosphorus	ppm	█ 352	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	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 light 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.

Depot: VOLVO3387
Unique No: 10656456
Signed: Wes Davis
Report Date: 20 Sep 2023

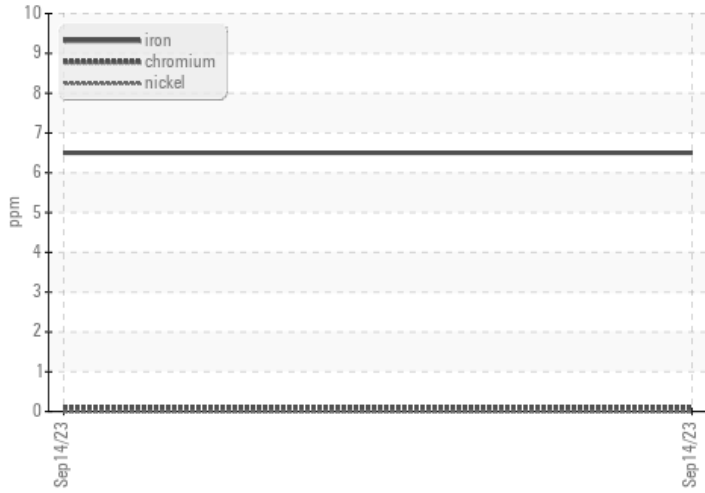


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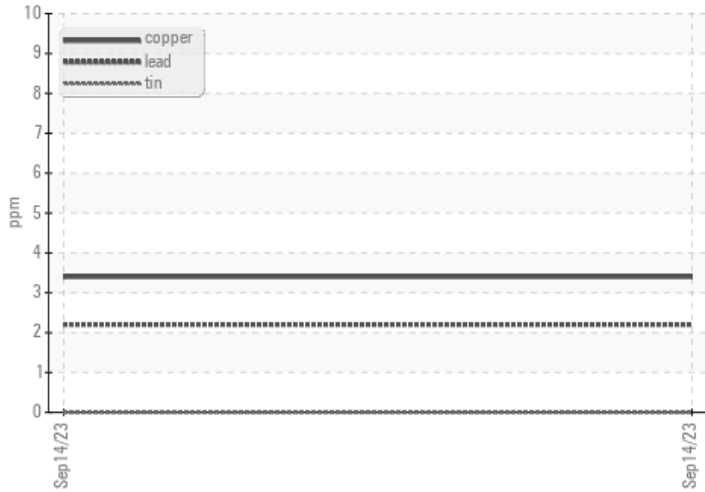


GRAPHS

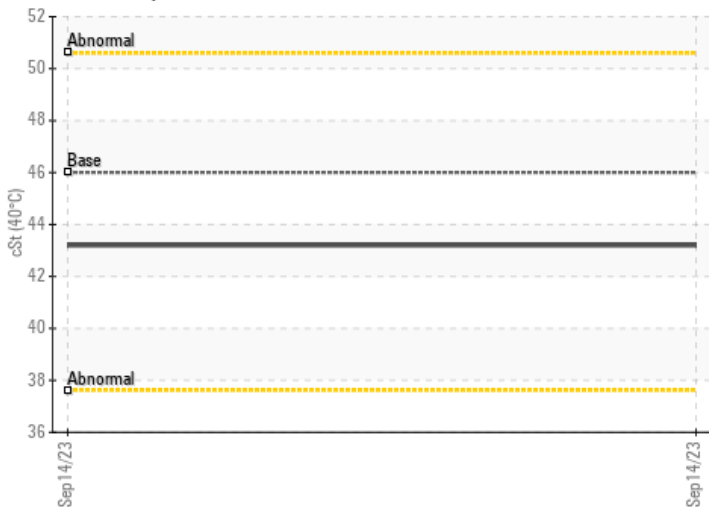
Ferrous Alloys



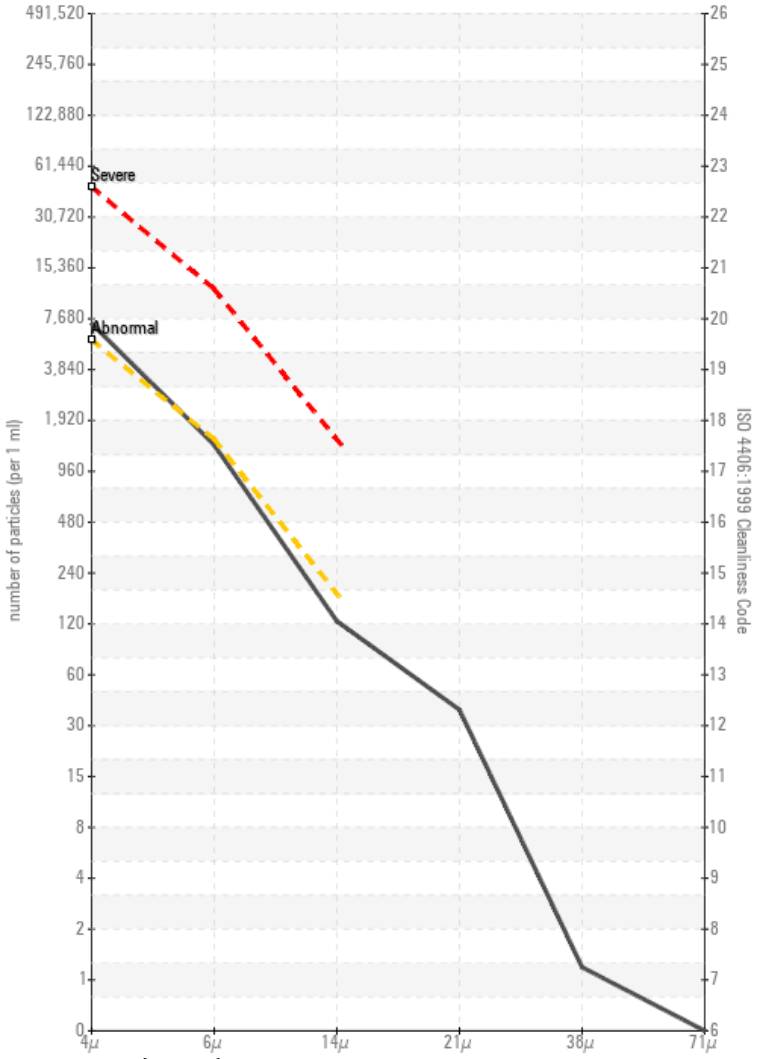
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

