



CONSTRUCTION EQUIPMENT

B51461 BROCHU PONSSE A011046 - HYDRAULIC SYSTEM



Sample No: VCP452154
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: B51461 BROCHU



SAMPLE INFORMATION

Sample Number	VCP452154	---	---	---
Sample Date	06 Apr 2024	---	---	---
Machine Hours	2174	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 40.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.39	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 4887	---	---	---
Particles >6µm		● 1553	---	---	---
Particles >14µm		█ 121	---	---	---
ISO 4406:1999 (c)		19/18/14	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis
 No corrective action is recommended at this time. 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 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 acceptable for the time in service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 45	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 442	---	---	---
Phosphorus	ppm	█ 340	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0007
Unique No: 10978670
Signed: Don Baldrige
Report Date: 17 Apr 2024

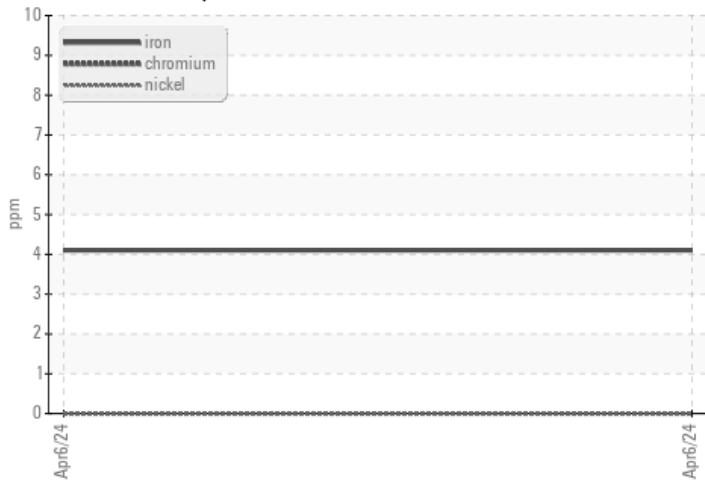


CONSTRUCTION EQUIPMENT

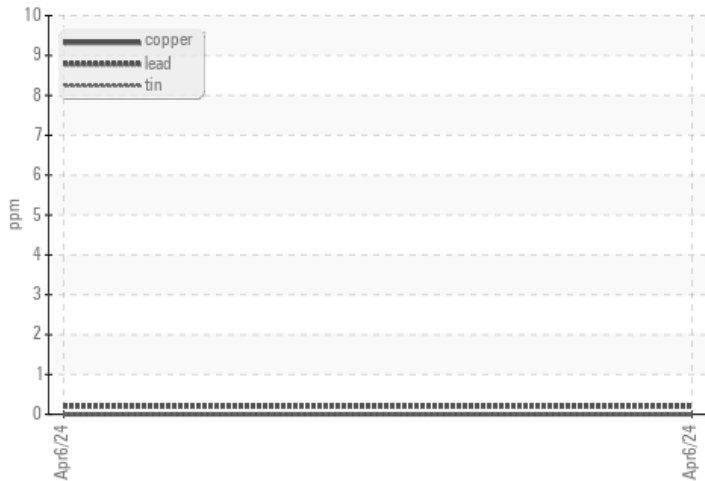


GRAPHS

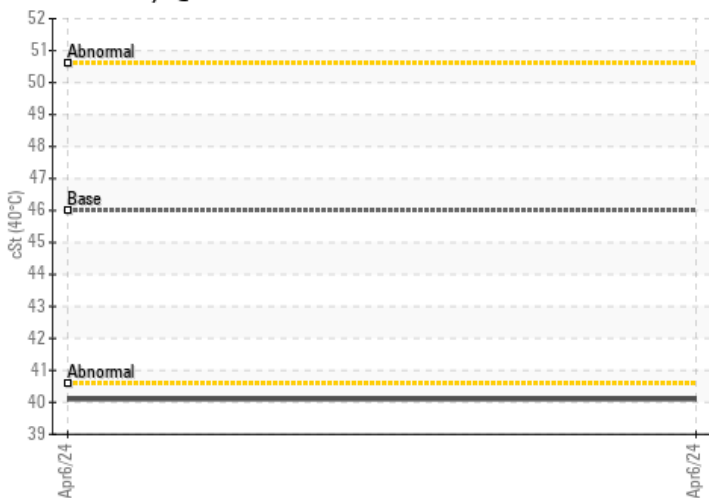
Ferrous Alloys



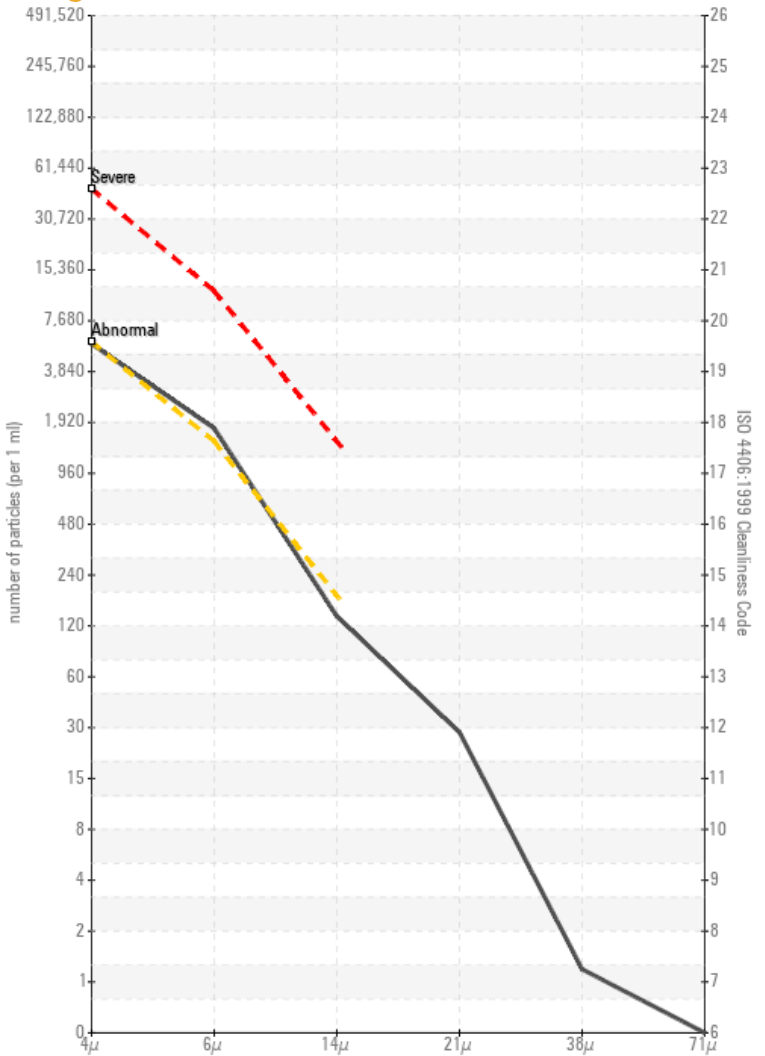
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

