



CONSTRUCTION EQUIPMENT

752107 - HYDRAULIC SYSTEM



Sample No: VCP414179
Oil Type: VOLVO
Job No:



SAMPLE INFORMATION

Sample Number	VCP414179	---	---	---
Sample Date	17 Aug 2023	---	---	---
Machine Hours	4962	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

SCOTT EQUIPMENT COMPANY LLC - Baton Rouge
 10160 AIRLINE HWY
 BATON ROUGE, LA
 US 70816
 Contact: BRENT CALDWELL
 bcaldwell@scottcompanies.com
 T: (225)293-3683
 F: (225)292-9658



OIL CONDITION

Visc @ 40°C	cSt	█ 47.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.52	---	---	---



CONTAMINATION

Particles >4µm		█ 6107	---	---	---
Particles >6µm		█ 1565	---	---	---
Particles >14µm		█ 52	---	---	---
ISO 4406:1999 (c)		█ 20/18/13	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ <1	---	---	---

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	█ 3	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 79	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 69	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 572	---	---	---
Phosphorus	ppm	█ 473	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO6242
Unique No: 10620119
Signed: Wes Davis
Report Date: 30 Aug 2023

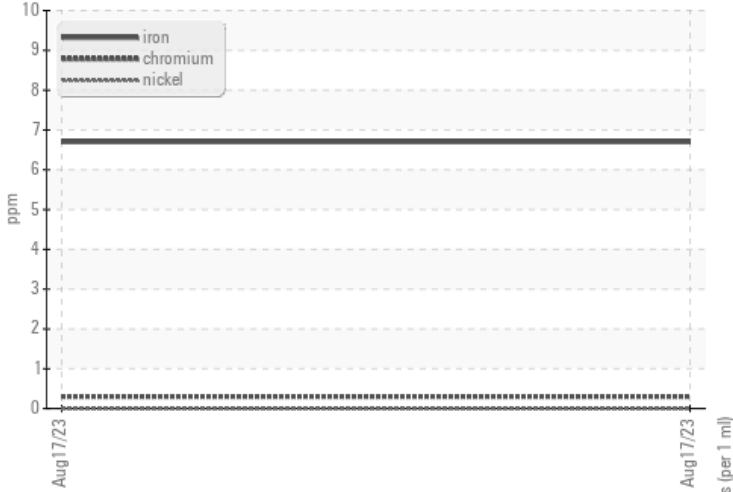


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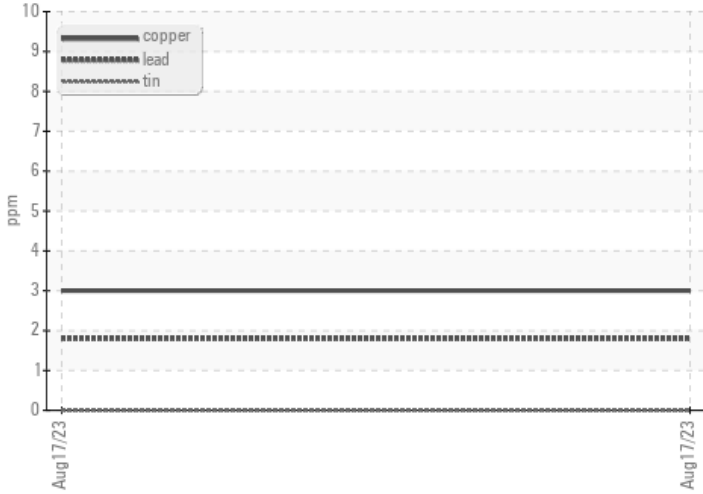


GRAPHS

Ferrous Alloys



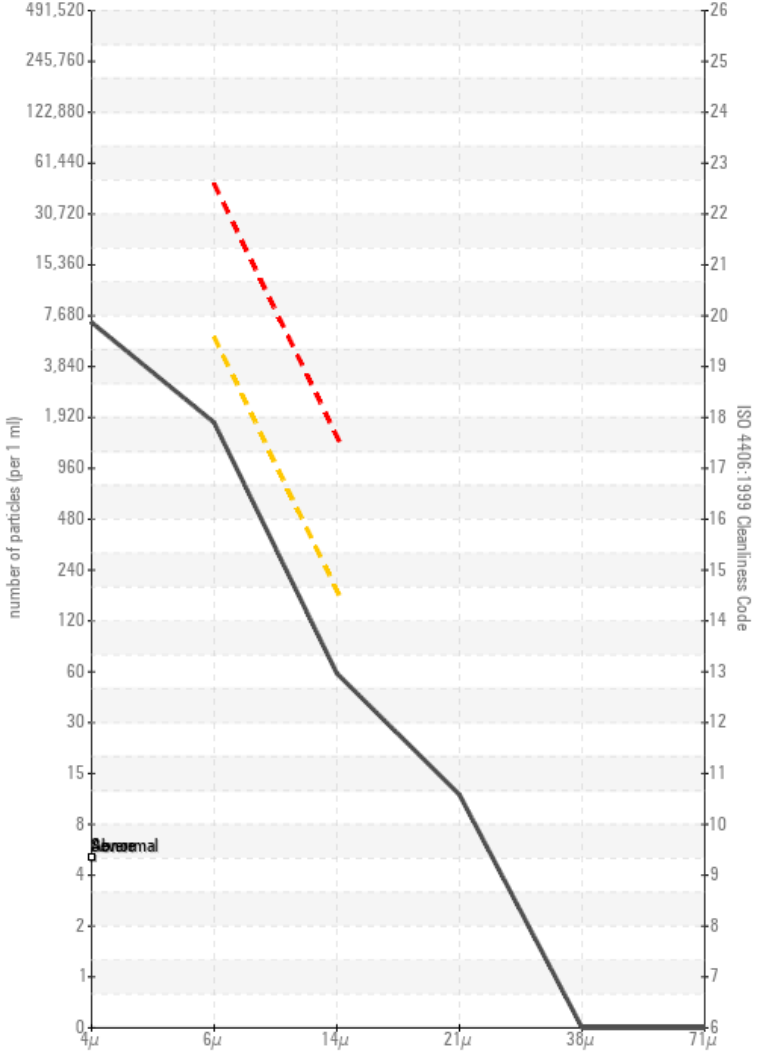
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

