



CONSTRUCTION EQUIPMENT

19549 MARTIN MARIETT VOLVO A45G 353567 - HYDRAULIC SYSTEM



Sample No: VCP435337
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19549 MARTIN MARIETT



SAMPLE INFORMATION

Sample Number	VCP435337	---	---	---
Sample Date	30 Aug 2023	---	---	---
Machine Hours	472	---	---	---
Oil Hours	472	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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GREENVILLE, NC
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T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 43.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.40	---	---	---



CONTAMINATION

Particles >4µm		6945	---	---	---
Particles >6µm		█ 1550	---	---	---
Particles >14µm		█ 154	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	█ 5	---	---	---
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	█ 2	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 60	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 436	---	---	---
Phosphorus	ppm	█ 335	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO8769
Unique No: 10643931
Signed: Wes Davis
Report Date: 13 Sep 2023

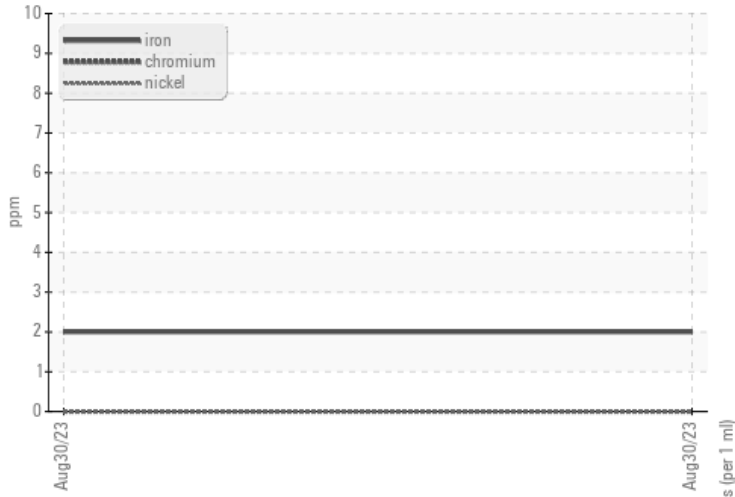


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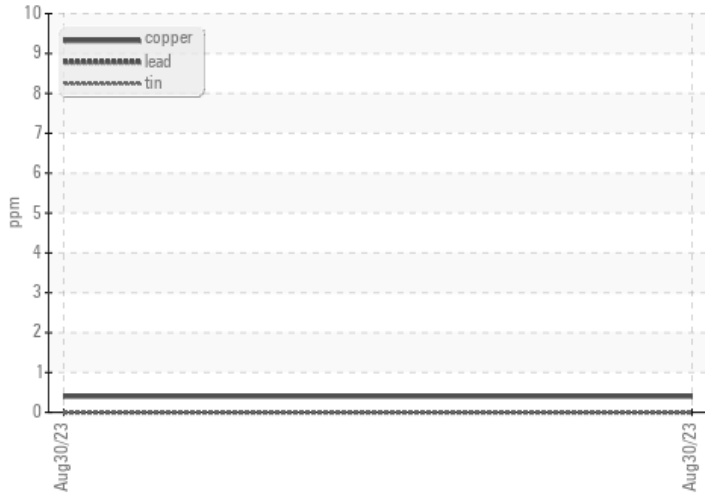


GRAPHS

Ferrous Alloys



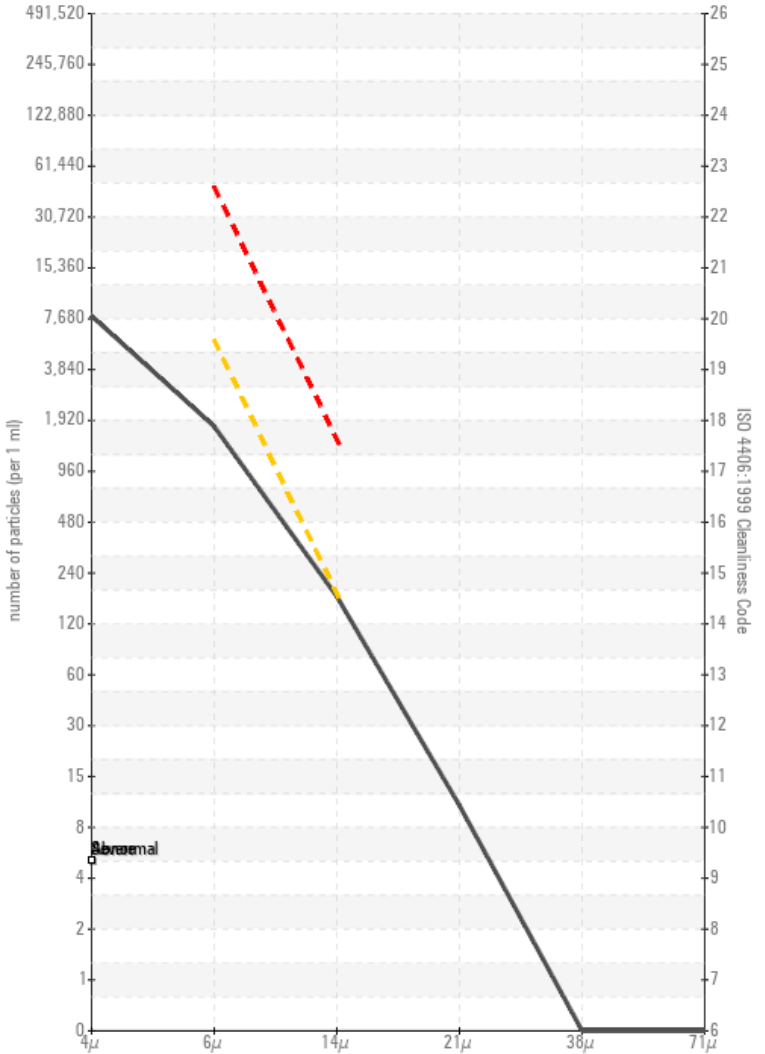
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

