



CONSTRUCTION EQUIPMENT

SWA302818 SANTI GRP AVANT 860I 1120122223 - HYDRAULIC SYSTEM



Sample No: VCP421345
Oil Type: VOLVO SUPER TRANSMISSION OIL SAE 10W
Job No: SWA302818 SANTI GRP



SAMPLE INFORMATION

Sample Number	VCP421345	---	---	---
Sample Date	13 Jul 2023	---	---	---
Machine Hours	867	---	---	---
Oil Hours	867	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	■ 44.1	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.44	---	---	---



CONTAMINATION

Particles >4µm		▲ 70800	---	---	---
Particles >6µm		▲ 6159	---	---	---
Particles >14µm		▲ 200	---	---	---
ISO 4406:1999 (c)		23/20/15	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 1	---	---	---

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 high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	■ 18	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 86	---	---	---
Magnesium	ppm	■ 9	---	---	---
Zinc	ppm	■ 416	---	---	---
Phosphorus	ppm	■ 312	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO0090
Unique No: 10563603
Signed: Don Baldrige
Report Date: 21 Jul 2023

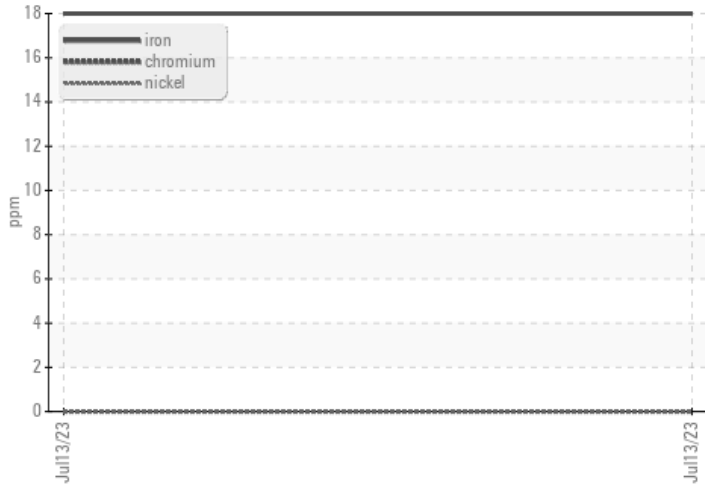


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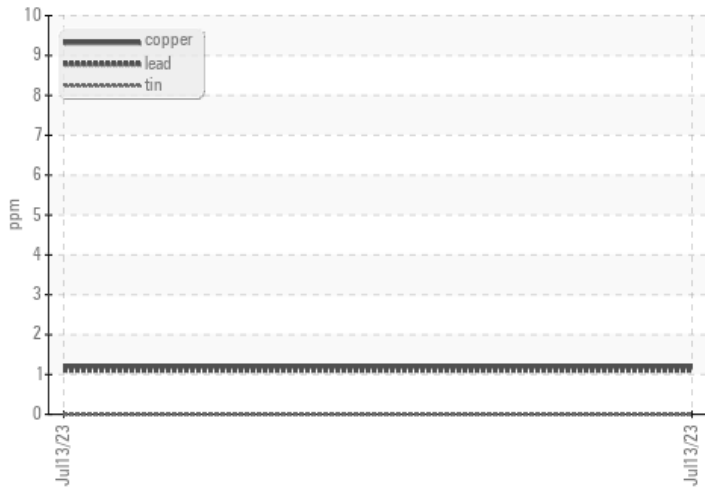


GRAPHS

Ferrous Alloys



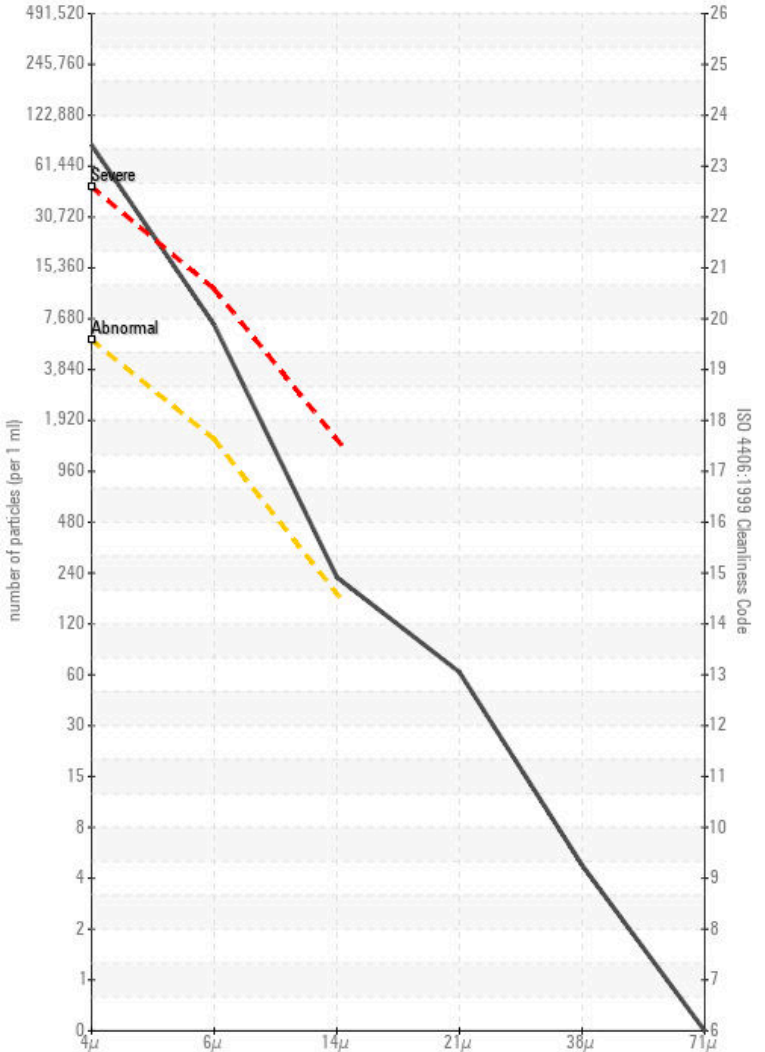
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

