



CONSTRUCTION EQUIPMENT

SPM593070 DYNAPAC MF2500 ANG004351 - HYDRAULIC SYSTEM



Sample No: VCP427208
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SPM593070



SAMPLE INFORMATION

Sample Number	VCP427208	---	---	---
Sample Date	07 Aug 2023	---	---	---
Machine Hours	517	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 60.97	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.41	---	---	---



CONTAMINATION

Particles >4µm		▲ 6970	---	---	---
Particles >6µm		■ 1127	---	---	---
Particles >14µm		■ 70	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

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. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	■ 5	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 33	---	---	---
Magnesium	ppm	■ 15	---	---	---
Zinc	ppm	■ 347	---	---	---
Phosphorus	ppm	■ 267	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO0093
Unique No: 10604738
Signed: Don Baldrige
Report Date: 18 Aug 2023

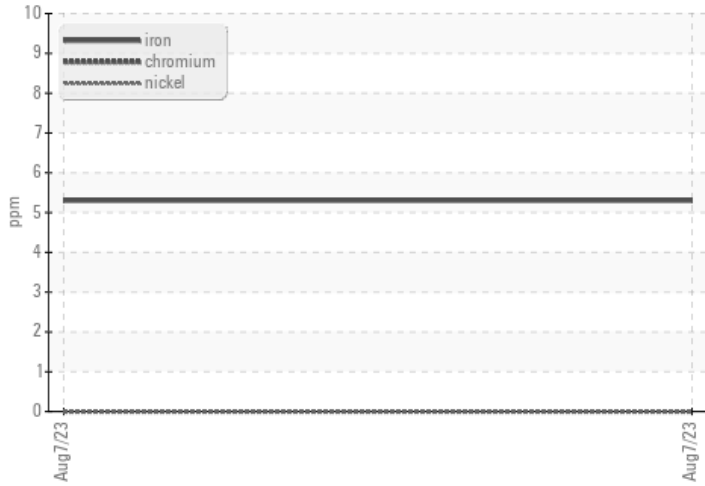


CONSTRUCTION EQUIPMENT

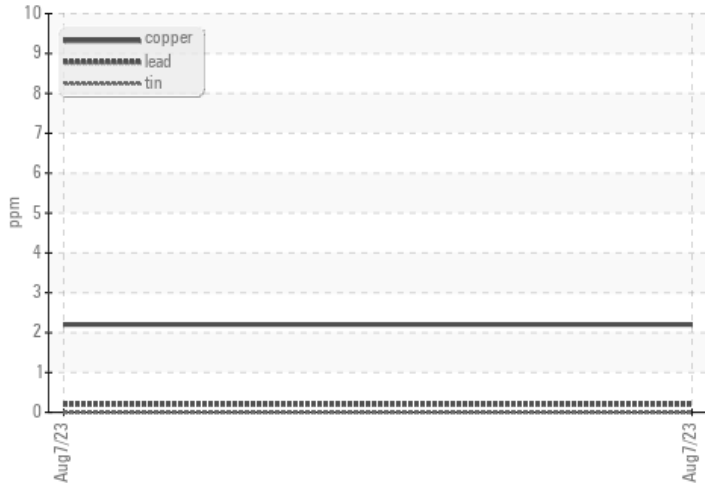


VOLVO GRAPHS

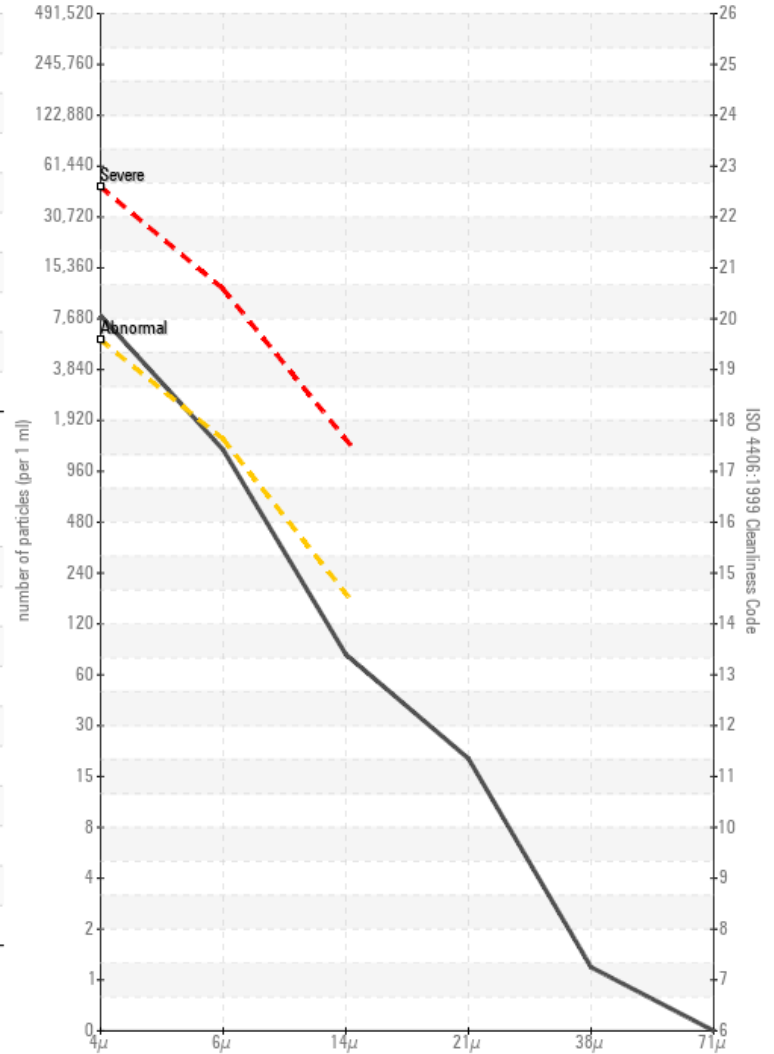
Ferrous Alloys



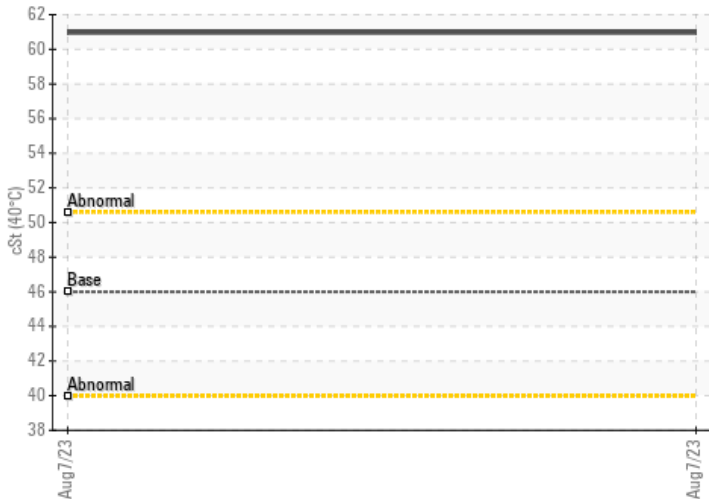
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number

