



CONSTRUCTION EQUIPMENT

X47254 TADANO GR550XL-3 542059 - HYDRAULIC SYSTEM



Sample No: VCP416468
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: X47254



SAMPLE INFORMATION

Sample Number	VCP416468	VCP391204	---	---
Sample Date	13 Jul 2023	17 Feb 2023	---	---
Machine Hours	2027	1790	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 34.9	▲ 34.98	---	---
Acid Number (AN)	mg KOH/g	■ 0.22	■ 0.16	---	---

Diagnosis



CONTAMINATION

Particles >4µm		▲ 18469	▲ 8539	---	---
Particles >6µm		▲ 2776	■ 1183	---	---
Particles >14µm		▲ 490	■ 113	---	---
ISO 4406:1999 (c)		21/19/16	20/17/14	---	---
Silicon	ppm	■ <1	■ 0	---	---
Sodium	ppm	■ 0	■ 0	---	---
Potassium	ppm	■ <1	■ 0	---	---



WEAR METALS

Iron	ppm	■ 4	■ 2	---	---
Copper	ppm	■ <1	■ <1	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ <1	■ 0	---	---
Chromium	ppm	■ 0	■ 0	---	---
Molybdenum	ppm	■ 0	■ 0	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 0	■ 0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	▲ 0	▲ 1	---	---
Magnesium	ppm	■ 0	■ 0	---	---
Zinc	ppm	▲ 34	▲ 32	---	---
Phosphorus	ppm	■ 612	■ 601	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 0	■ 0	---	---

Depot: VOLVO6244
Unique No: 10563594
Signed: Angela Borella
Report Date: 20 Jul 2023

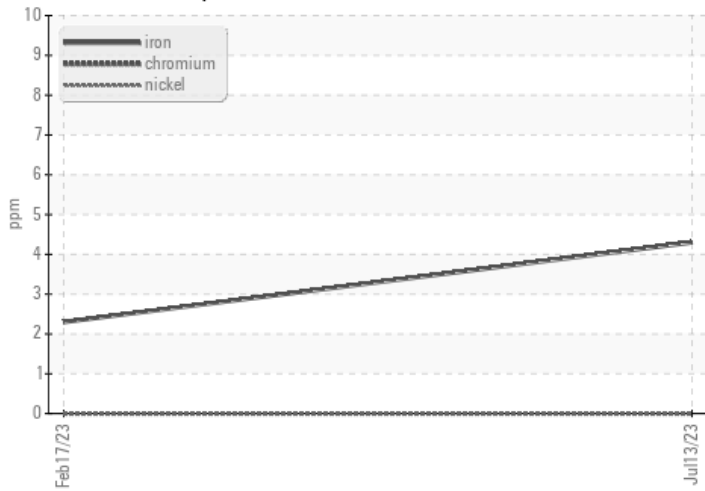


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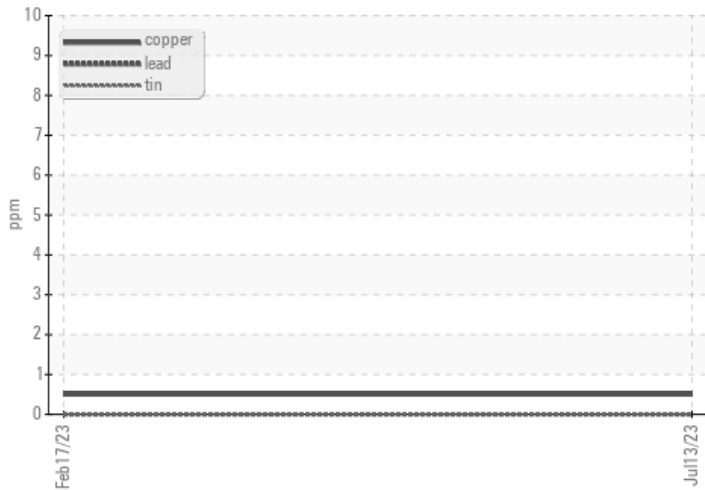


GRAPHS

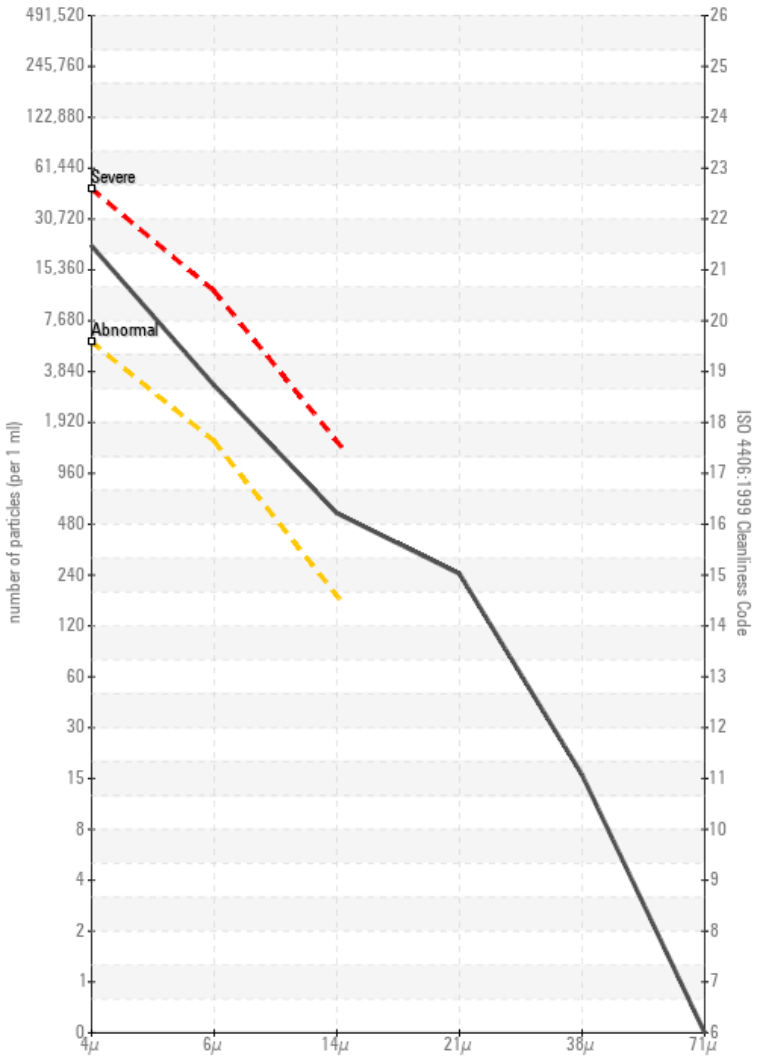
Ferrous Alloys



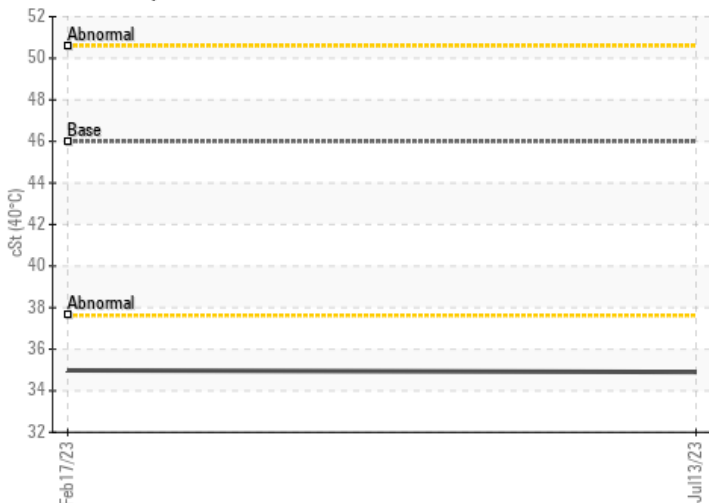
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number

