



CONSTRUCTION EQUIPMENT

X17343 APAC VOLVO EC480EL 314326 - HYDRAULIC SYSTEM



Sample No: VCE044468
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: X17343 APAC



SCOTT EQUIPMENT COMPANY LLC - Jackson
 3860 I-55 South
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 US 39212
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SAMPLE INFORMATION

Sample Number	VCE044468	---	---	---
Sample Date	27 Jun 2023	---	---	---
Machine Hours	4273	---	---	---
Oil Hours	4273	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	▲ 35.9	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.53	---	---	---

CONTAMINATION

Particles >4µm		▲ 107679	---	---	---
Particles >6µm		▲ 21124	---	---	---
Particles >14µm		■ 388	---	---	---
ISO 4406:1999 (c)		24/22/16	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

Iron	ppm	■ 18	---	---	---
Copper	ppm	■ 9	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 13	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 500	---	---	---
Magnesium	ppm	■ 6	---	---	---
Zinc	ppm	■ 553	---	---	---
Phosphorus	ppm	■ 467	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

Depot: VOLVO8771
Unique No: 10537035
Signed: Jonathan Hester
Report Date: 06 Jul 2023

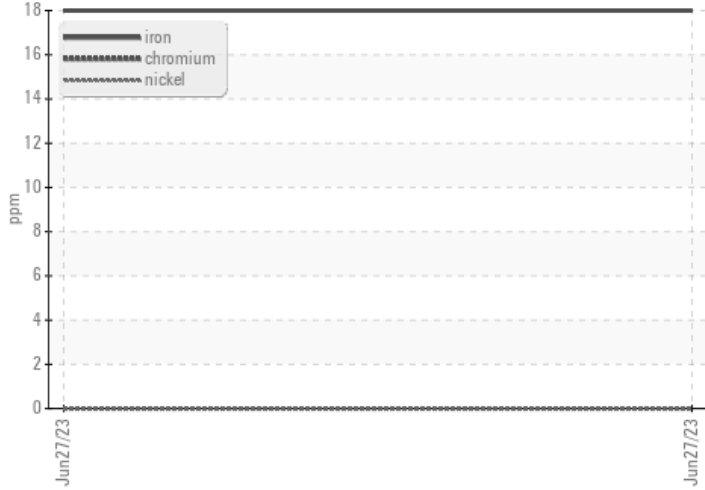


CONSTRUCTION EQUIPMENT

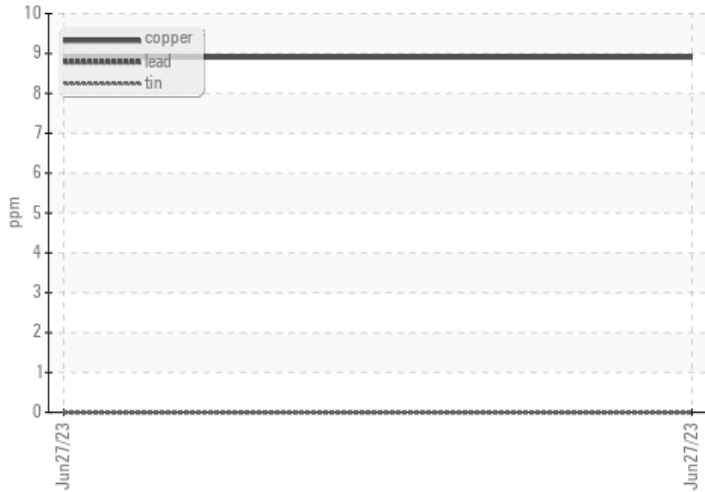


GRAPHS

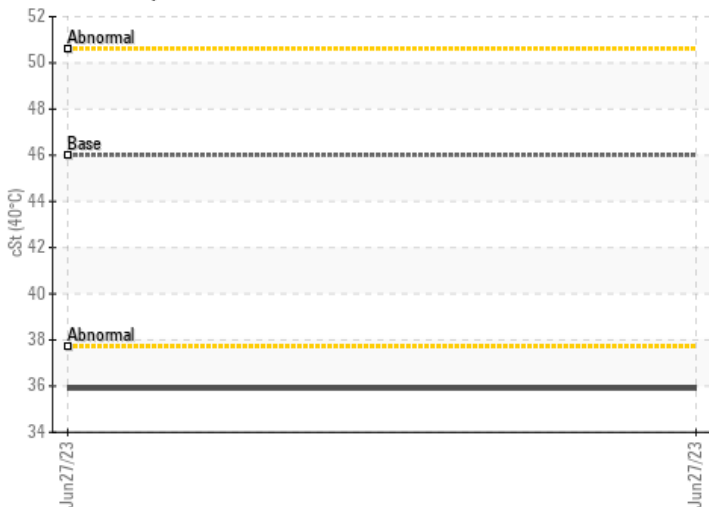
Ferrous Alloys



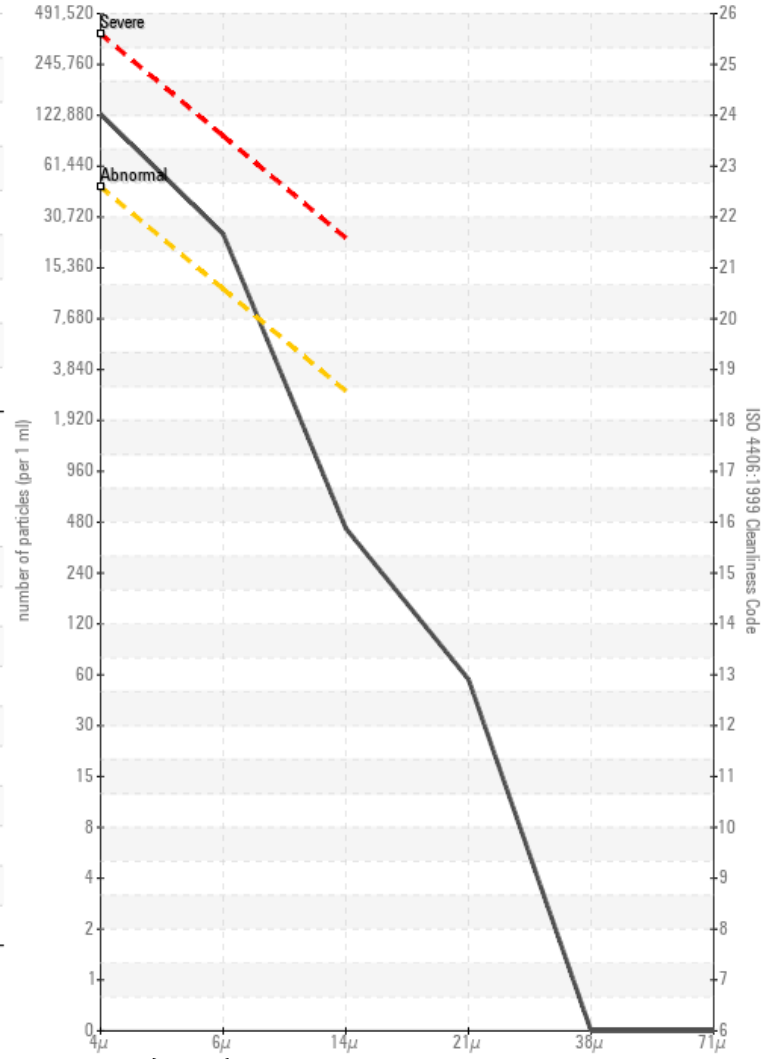
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

