



CONSTRUCTION EQUIPMENT

SW-36287-2 GRANT MAC VOLVO EC480E 315181 - HYDRAULIC SYSTEM



Sample No: VCP454092
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SW-36287-2 GRANT MAC



SAMPLE INFORMATION

Sample Number	VCP454092	---	---	---
Sample Date	19 Jun 2024	---	---	---
Machine Hours	2065	---	---	---
Oil Hours	2065	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 44.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.64	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 982	---	---	---
Particles >6µm		█ 115	---	---	---
Particles >14µm		█ 8	---	---	---
ISO 4406:1999 (c)		17/14/10	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

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	█ 3	---	---	---
Copper	ppm	█ 38	---	---	---
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	█ 100	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 622	---	---	---
Phosphorus	ppm	█ 499	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: VOLVO8770
Unique No: 11100477
Signed: Wes Davis
Report Date: 28 Jun 2024

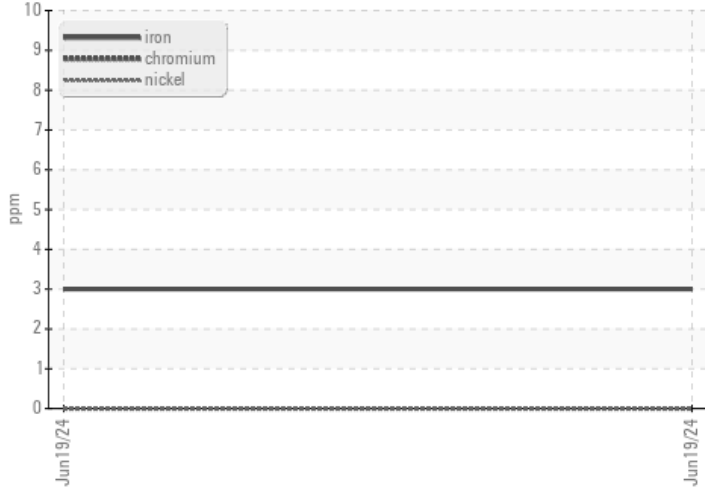


CONSTRUCTION EQUIPMENT

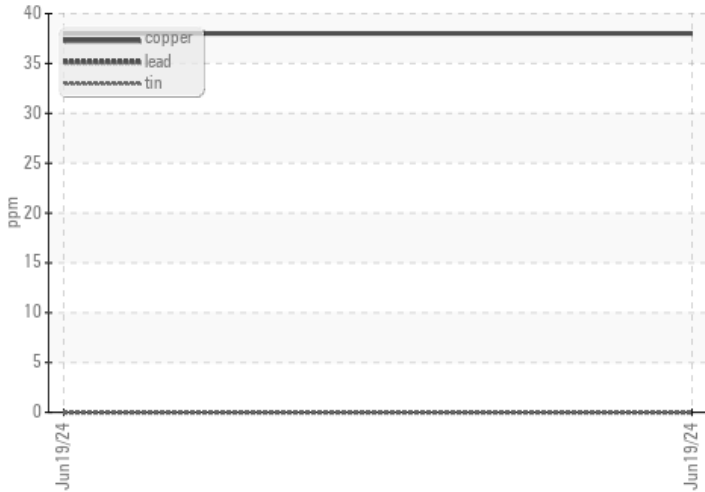


GRAPHS

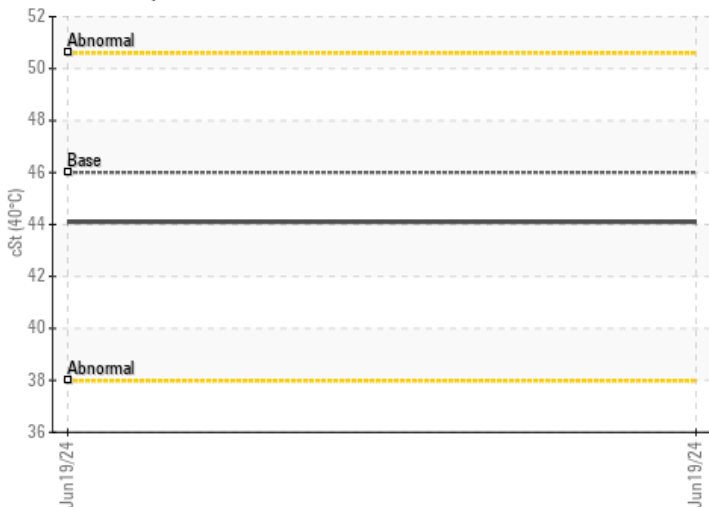
Ferrous Alloys



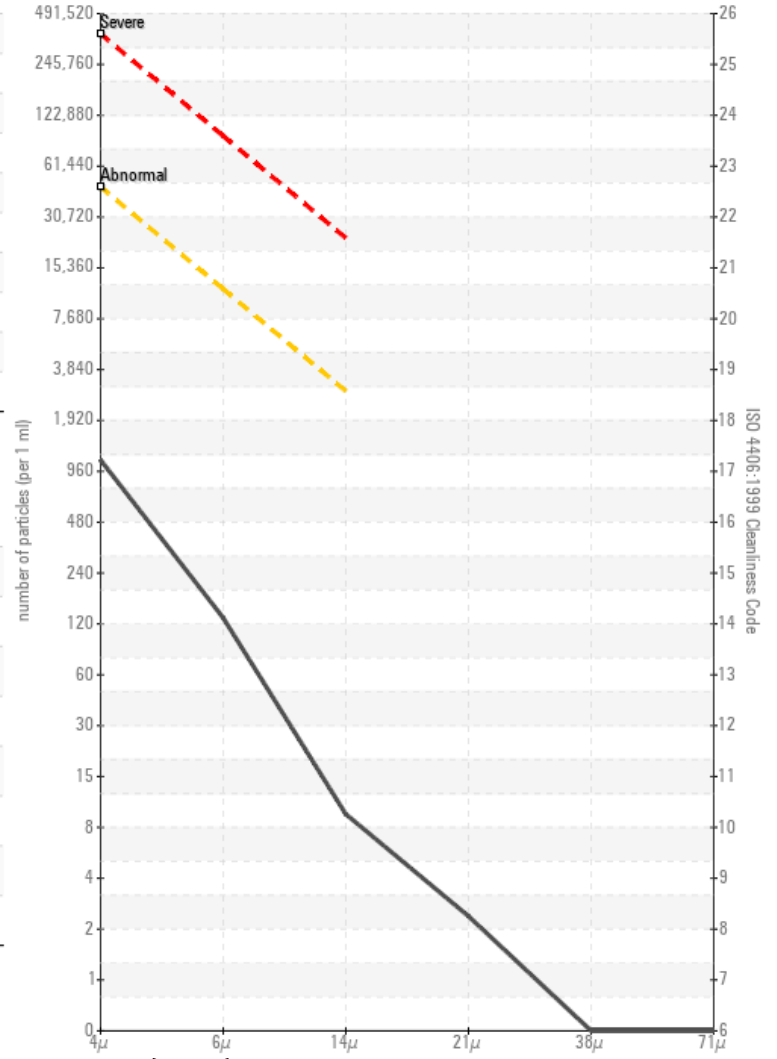
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

