



CONSTRUCTION EQUIPMENT

VOLVO L220H 3093 - HYDRAULIC SYSTEM



Sample No: VCP447486

Oil Type: MOBIL 10W

Job No:



SAMPLE INFORMATION

Sample Number	VCP447486	---	---	---
Sample Date	26 Jun 2024	---	---	---
Machine Hours	23315	---	---	---
Oil Hours	2763	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



SCHILDBERG CONSTRUCTION COMPANY

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OIL CONDITION

Visc @ 40°C	cSt	█ 44.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.28	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 29104	---	---	---
Particles >6µm		▲ 9166	---	---	---
Particles >14µm		▲ 548	---	---	---
ISO 4406:1999 (c)		22/20/16	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

No corrective action is recommended at this time. Oil and 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	█ 2	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 198	---	---	---
Magnesium	ppm	█ 12	---	---	---
Zinc	ppm	█ 447	---	---	---
Phosphorus	ppm	█ 369	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 1	---	---	---

Depot: SCHGRE
Unique No: 11110827
Signed: Don Baldrige
Report Date: 06 Jul 2024

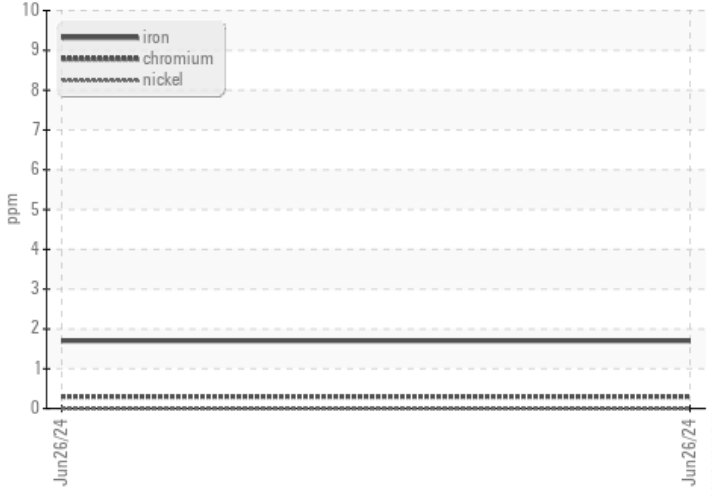


CONSTRUCTION EQUIPMENT

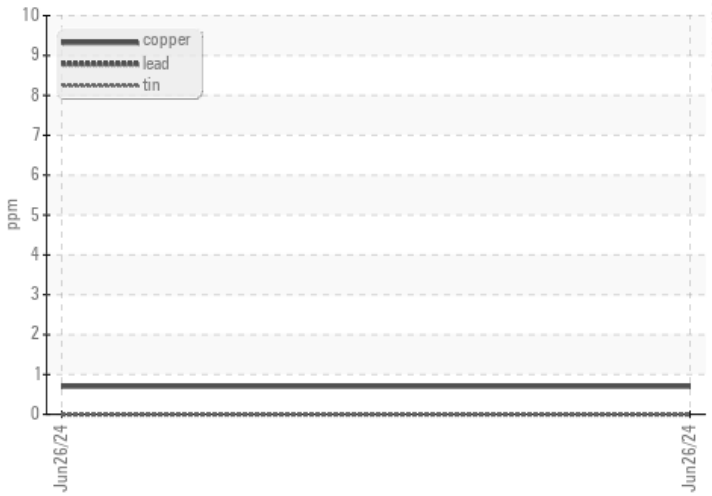


GRAPHS

Ferrous Alloys



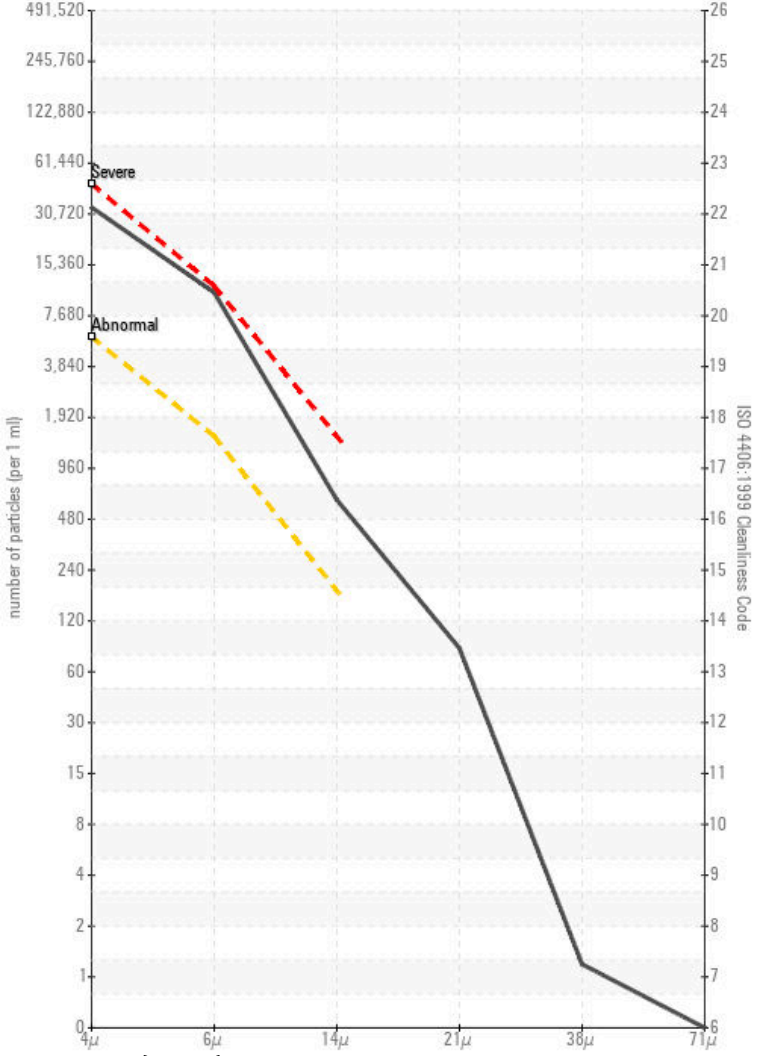
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

