



CONSTRUCTION EQUIPMENT

SPM689209 RENTALS VOLVO EC480L 315263 - HYDRAULIC SYSTEM



Sample No: VCP445882
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM689209 RENTALS



SAMPLE INFORMATION

Sample Number	VCP445882	---	---	---
Sample Date	01 Apr 2024	---	---	---
Machine Hours	1595	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 41.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.67	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 52402	---	---	---
Particles >6µm		▲ 8374	---	---	---
Particles >14µm		█ 104	---	---	---
ISO 4406:1999 (c)		23/20/14	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 1	---	---	---

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 silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 24	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 285	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 565	---	---	---
Phosphorus	ppm	█ 422	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0095
Unique No: 10963292
Signed: Don Baldrige
Report Date: 06 Apr 2024

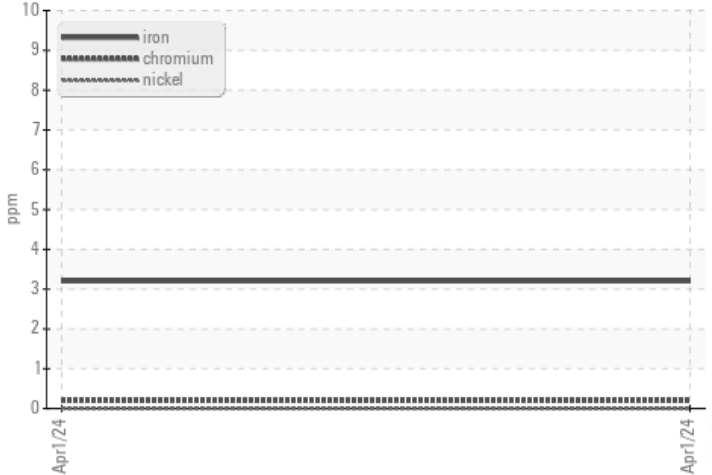


CONSTRUCTION EQUIPMENT

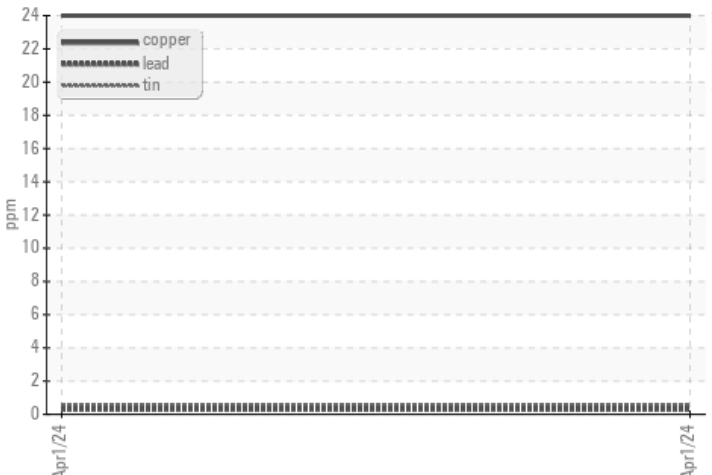


GRAPHS

Ferrous Alloys



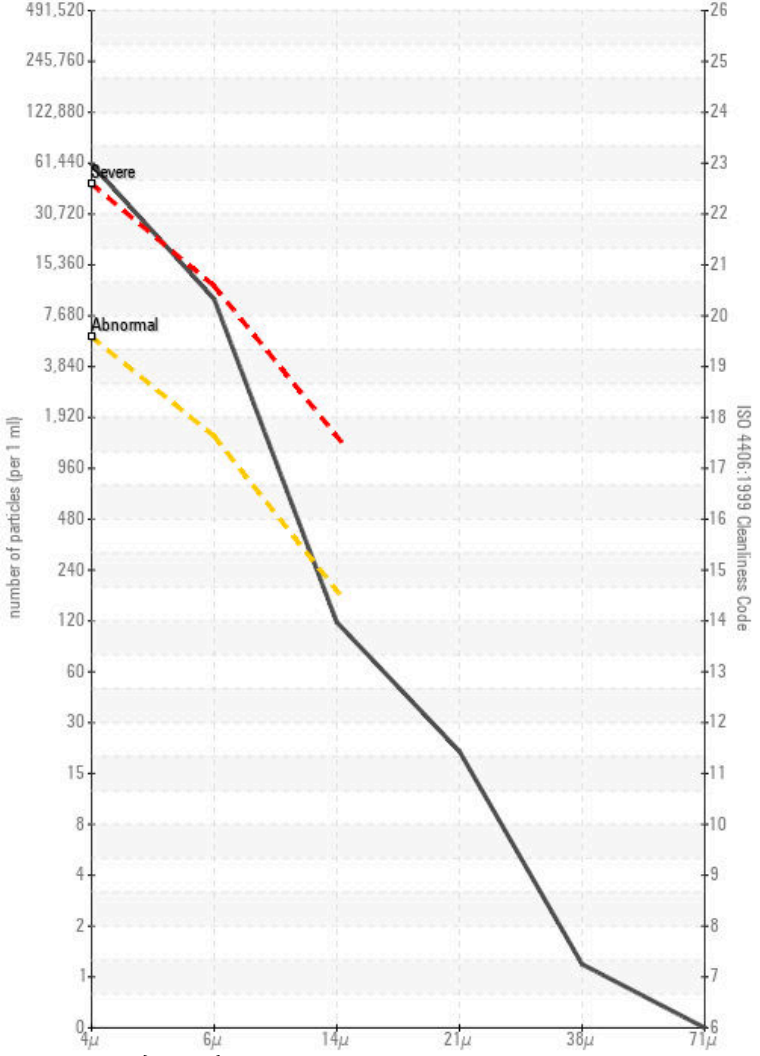
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

