



CONSTRUCTION EQUIPMENT

S50401683 LKQ ONTARI VOLVO L90H 625142 - HYDRAULIC SYSTEM



Sample No: VCP415124
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: S50401683 LKQ ONTARI



SAMPLE INFORMATION

Sample Number	VCP415124	---	---	---
Sample Date	15 Sep 2023	---	---	---
Machine Hours	6000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

VCES- VOLVO CONSTRUCTION EQUIPMENT

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OIL CONDITION

Visc @ 40°C	cSt	█ 41.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.26	---	---	---



CONTAMINATION

Particles >4µm		▲ 6124	---	---	---
Particles >6µm		▲ 2021	---	---	---
Particles >14µm		▲ 179	---	---	---
ISO 4406:1999 (c)		20/18/15	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 moderate 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	█ 10	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 29	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 431	---	---	---
Phosphorus	ppm	█ 357	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO4486
Unique No: 10670704
Signed: Don Baldrige
Report Date: 01 Oct 2023

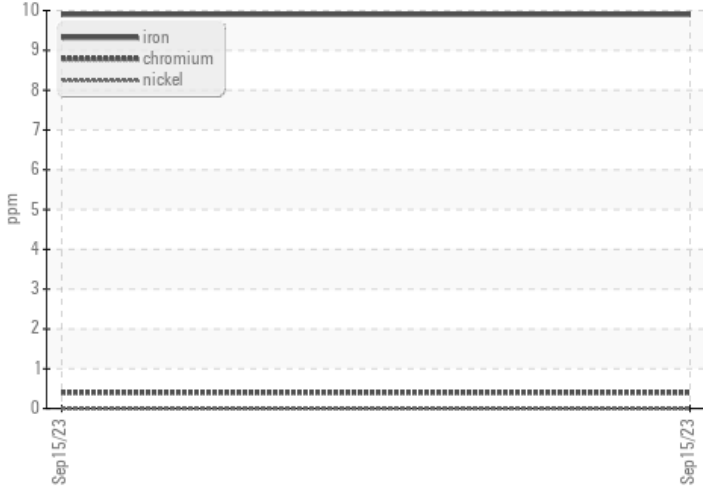


CONSTRUCTION EQUIPMENT

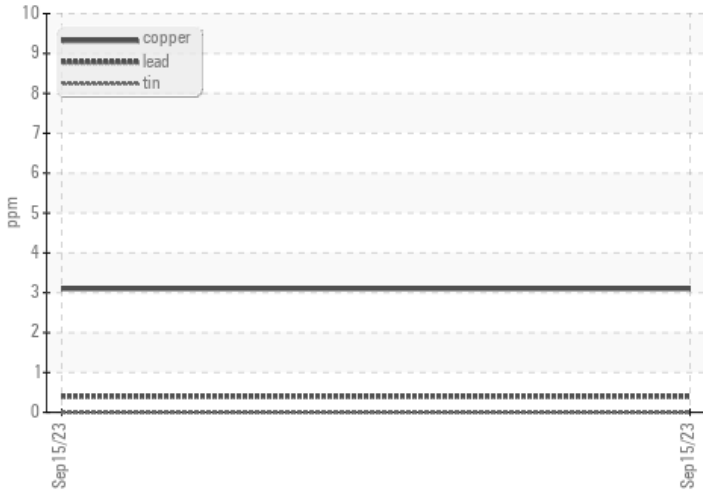


VOLVO GRAPHS

Ferrous Alloys



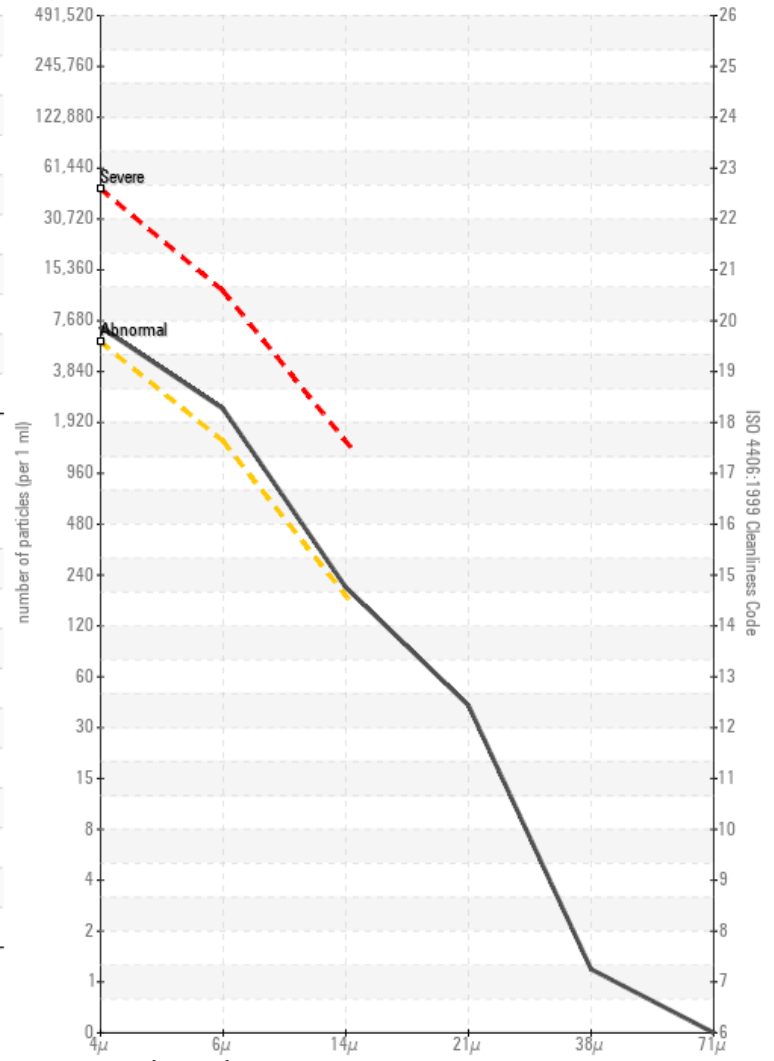
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

