



CONSTRUCTION EQUIPMENT

AOK SITEWORKS VOLVO EC160EL 314355 - HYDRAULIC SYSTEM



Sample No: VCE045812
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: AOK SITEWORKS



TRI-STATE TRUCK & EQUIP INC MAIN
 PO BOX 1298
 BILLINGS, MT
 US 59103
 Contact: JARED PORRELL
 JAREDP@TSTE.COM
 T:
 F: (406)238-1501



SAMPLE INFORMATION

Sample Number	VCE045812	---	---	---
Sample Date	06 Mar 2024	---	---	---
Machine Hours	1495	---	---	---
Oil Hours	495	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 44.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.64	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 3450	---	---	---
Particles >6µm		█ 490	---	---	---
Particles >14µm		█ 34	---	---	---
ISO 4406:1999 (c)		19/16/12	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 18	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 124	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 723	---	---	---
Phosphorus	ppm	█ 579	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. Test do not reveal cause for reported problem. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0104
Unique No: 10966992
Signed: Don Baldrige
Report Date: 11 Apr 2024

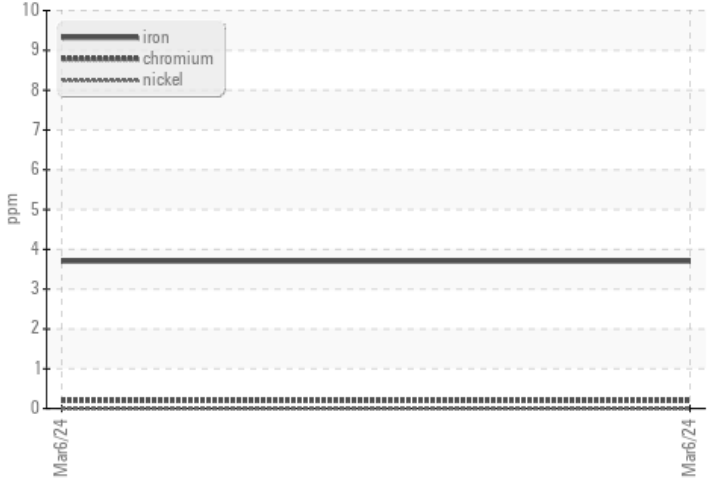


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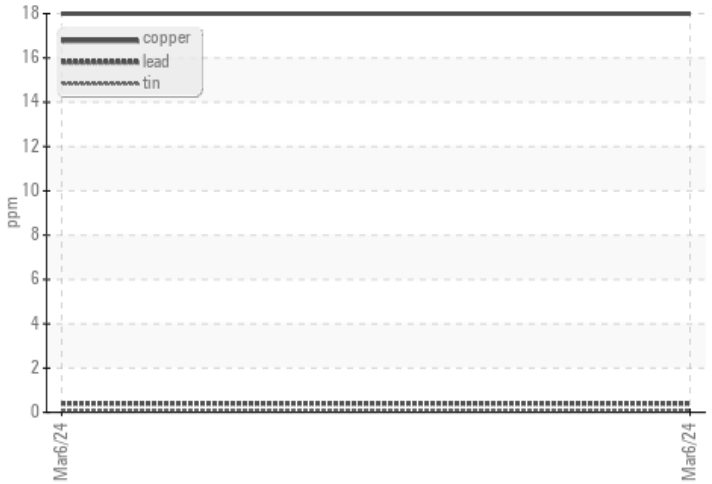


VOLVO GRAPHS

Ferrous Alloys



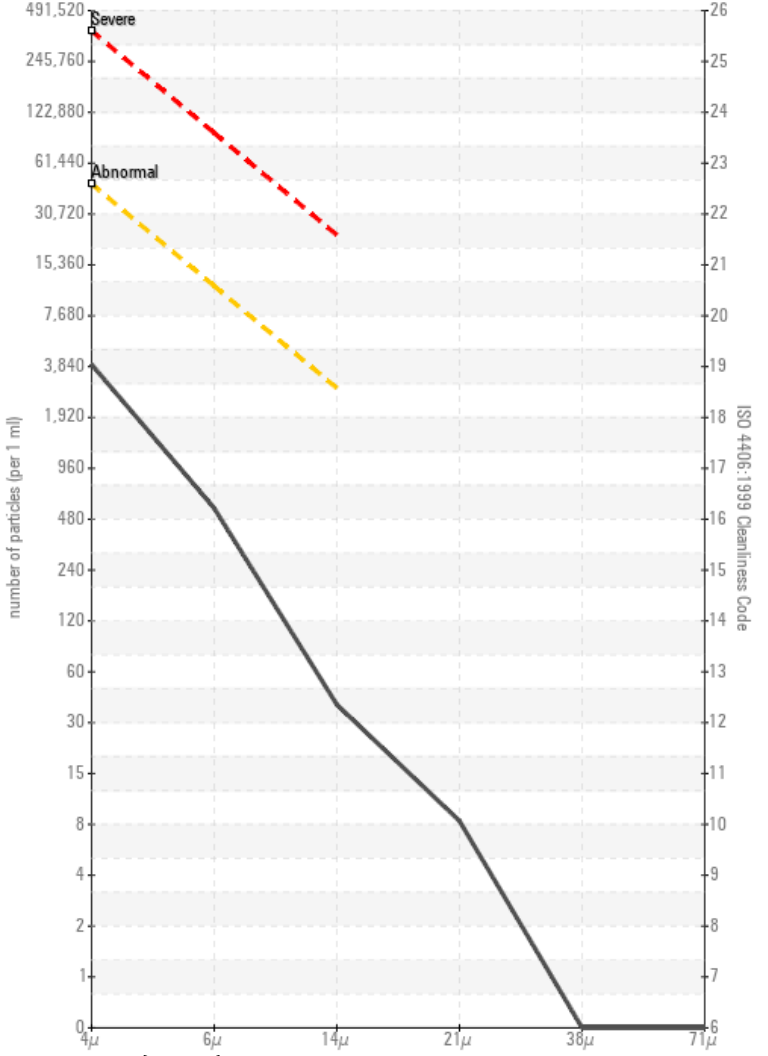
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

