



CONSTRUCTION EQUIPMENT

632869 HILLSBOROUGH VOLVO EW160EL 324178 - HYDRAULIC SYSTEM



Sample No: VCP433372
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 632869 HILLSBOROUGH



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SAMPLE INFORMATION

Sample Number	VCP433372	---	---	---
Sample Date	07 Nov 2023	---	---	---
Machine Hours	479	---	---	---
Oil Hours	479	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 42.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.43	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 12681	---	---	---
Particles >6µm		█ 2450	---	---	---
Particles >14µm		█ 84	---	---	---
ISO 4406:1999 (c)		21/18/14	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 76	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 365	---	---	---
Phosphorus	ppm	█ 282	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	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.

Depot: VOLVO0093
Unique No: 10765007
Signed: Wes Davis
Report Date: 30 Nov 2023

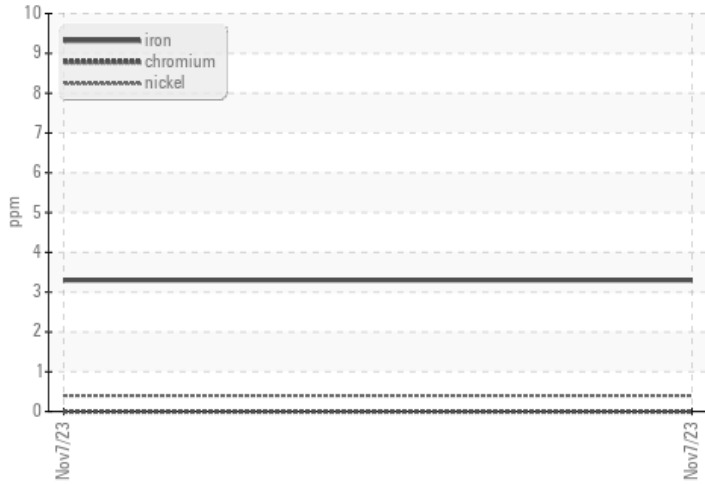


CONSTRUCTION EQUIPMENT

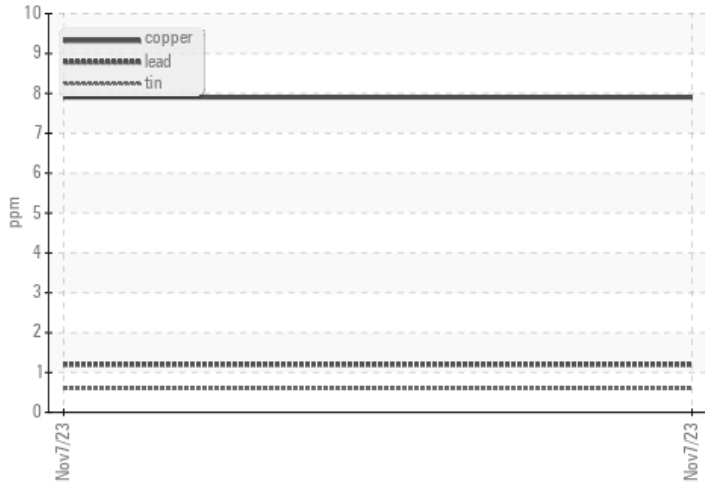


VOLVO GRAPHS

Ferrous Alloys



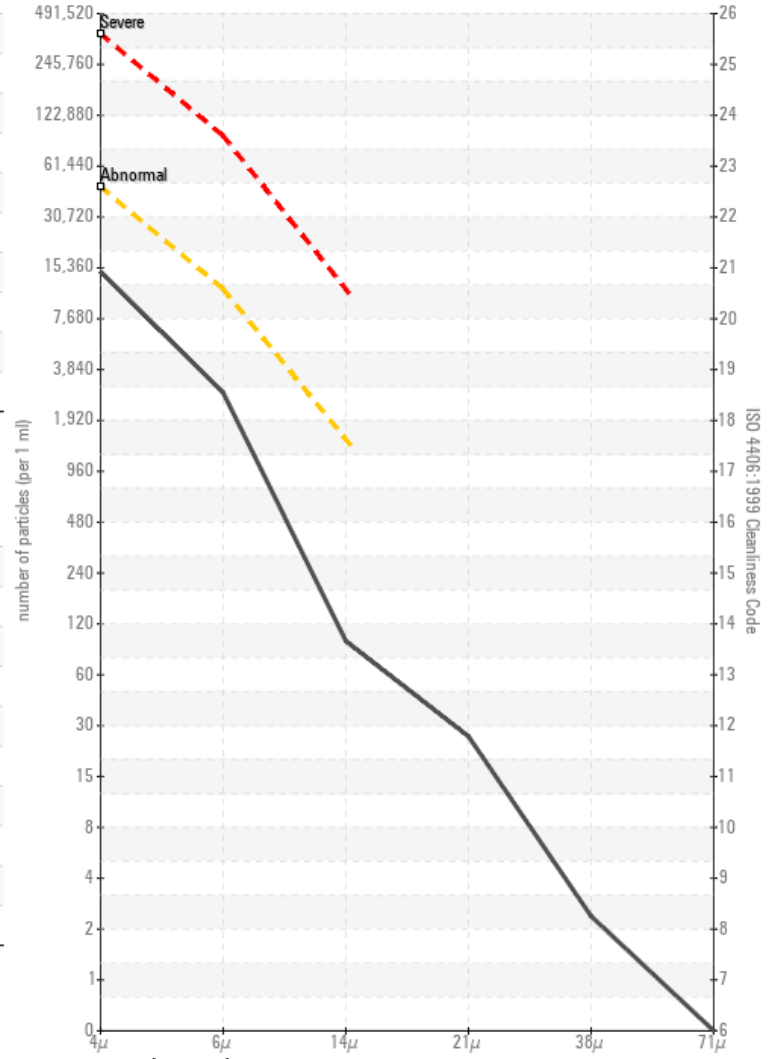
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

