



CONSTRUCTION EQUIPMENT

621908 PRECISION PAV VOLVO EC60EL 312566 - HYDRAULIC SYSTEM



Sample No: VCP435655
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 621908 PRECISION PAV



SAMPLE INFORMATION

Sample Number	VCP435655	---	---	---
Sample Date	03 Nov 2023	---	---	---
Machine Hours	2113	---	---	---
Oil Hours	2113	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 45.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 29988	---	---	---
Particles >6µm		▲ 8423	---	---	---
Particles >14µm		▲ 437	---	---	---
ISO 4406:1999 (c)		22/20/16	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 180	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 421	---	---	---
Phosphorus	ppm	█ 309	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 1	---	---	---

Depot: VOLVO0093
Unique No: 10765003
Signed: Wes Davis
Report Date: 30 Nov 2023

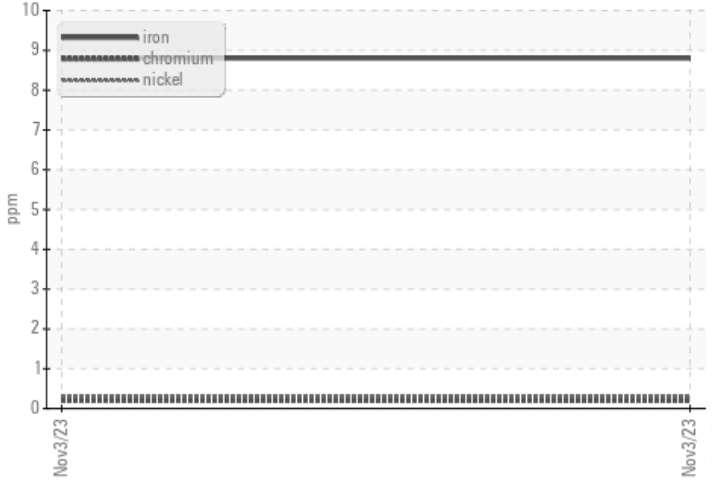


CONSTRUCTION EQUIPMENT

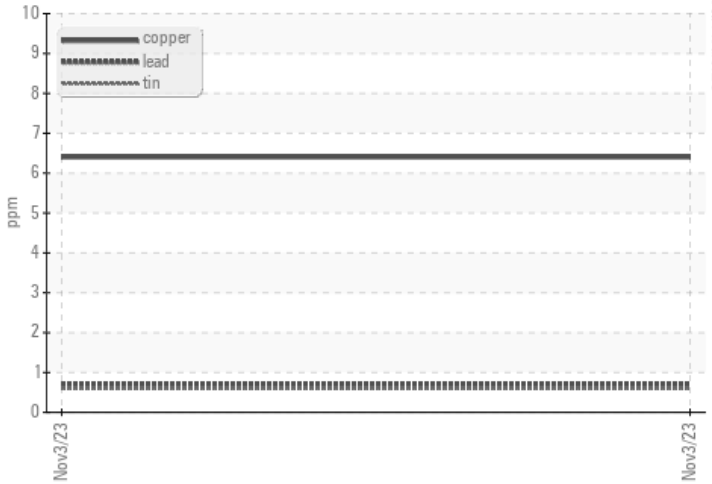


VOLVO GRAPHS

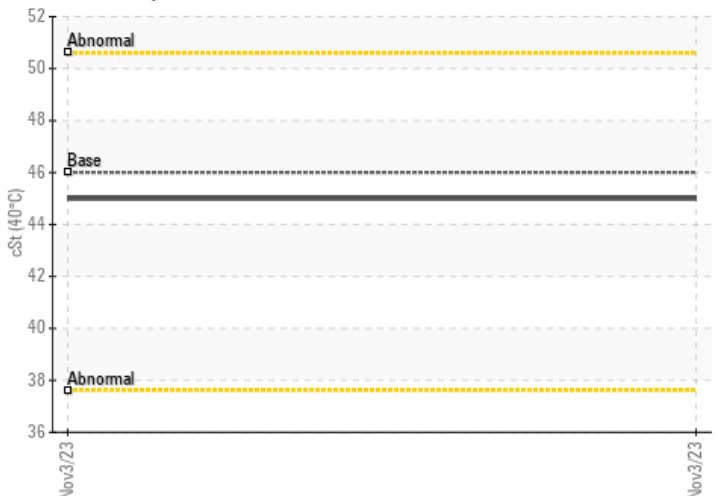
Ferrous Alloys



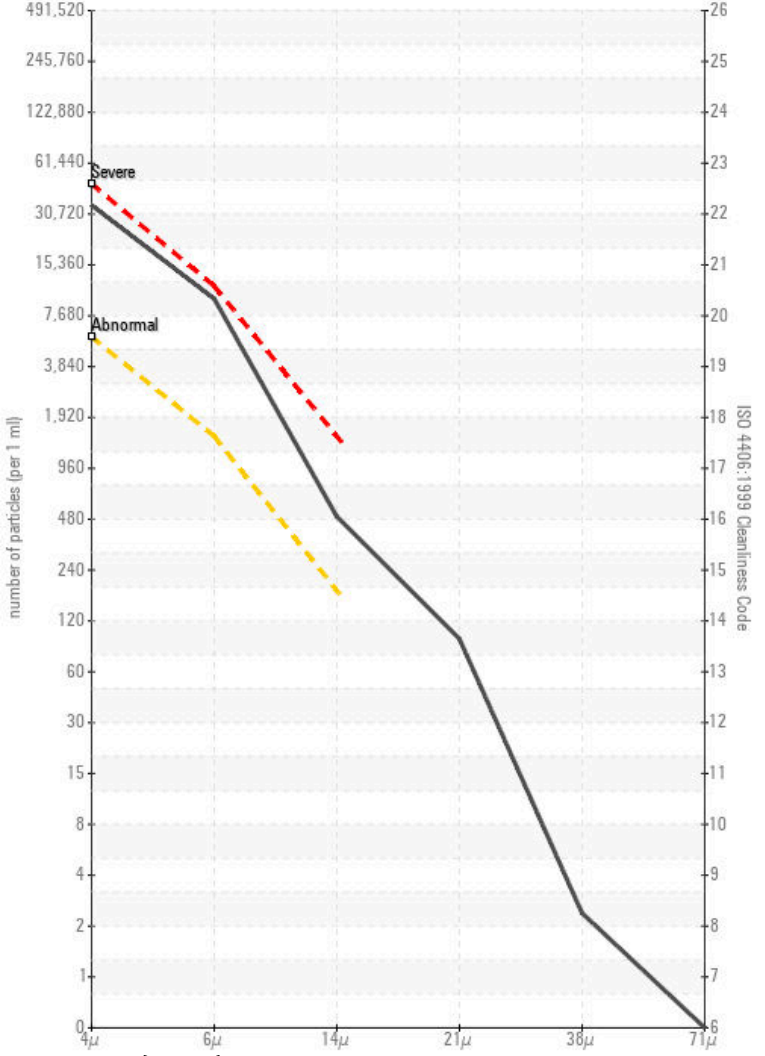
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

