



CONSTRUCTION EQUIPMENT

SPM621864 VOLVO EC300EL 312535 - HYDRAULIC SYSTEM



Sample No: VCP433441
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM621864



SAMPLE INFORMATION

Sample Number	VCP433441	VCP358416	---	---
Sample Date	07 Nov 2023	22 Apr 2022	---	---
Machine Hours	3045	2032	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changed	Changed	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

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 BOURBONNAIS, IL
 US 60914
 Contact: M. POZAN
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 T: (815)932-7416
 F:



OIL CONDITION

Visc @ 40°C	cSt	42.1	44.0	---	---
Acid Number (AN)	mg KOH/g	0.38	0.43	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 93884	▲ 75751	---	---
Particles >6µm		▲ 16369	▲ 12614	---	---
Particles >14µm		■ 152	■ 262	---	---
ISO 4406:1999 (c)		24/21/14	23/21/15	---	---
Silicon	ppm	■ 2	■ 3	---	---
Sodium	ppm	■ <1	■ 0	---	---
Potassium	ppm	■ 0	■ 0	---	---

Diagnosis

The filter 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 silt (particulates < 14 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	■ 6	■ 6	---	---
Copper	ppm	■ 16	■ 29	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ 0	<1	---	---
Aluminum	ppm	■ <1	■ 1	---	---
Chromium	ppm	■ 5	■ 2	---	---
Molybdenum	ppm	■ <1	■ <1	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ <1	■ <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	■ 54	■ 95	---	---
Magnesium	ppm	■ 0	■ 6	---	---
Zinc	ppm	■ 428	■ 479	---	---
Phosphorus	ppm	■ 332	■ 393	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 0	■ 3	---	---

Depot: BELBOU
Unique No: 10751448
Signed: Wes Davis
Report Date: 21 Nov 2023

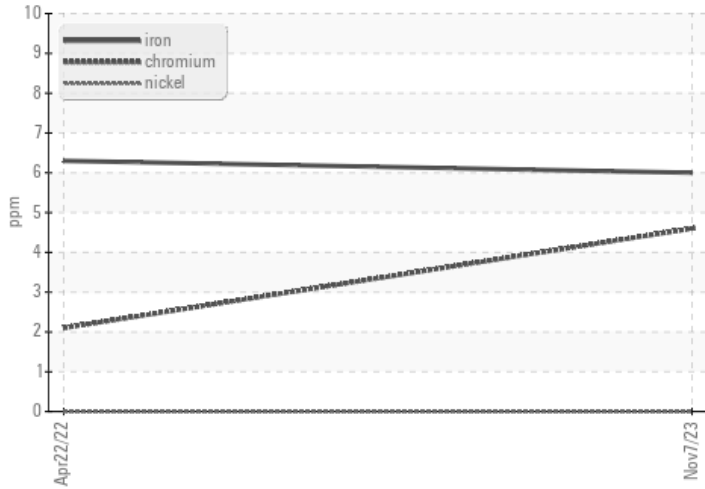


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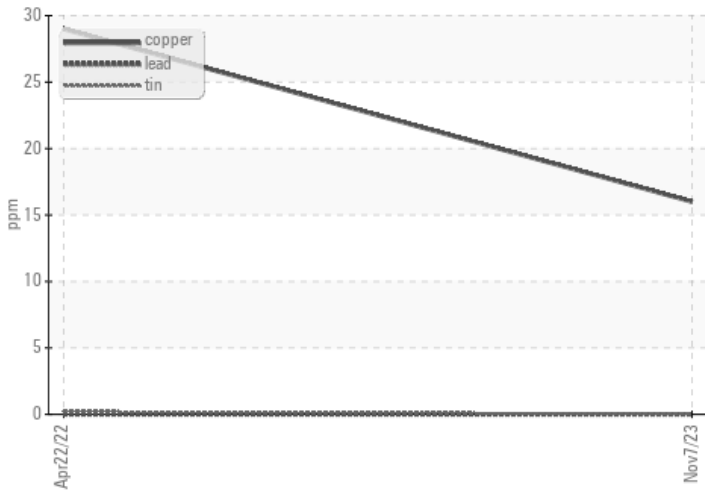


GRAPHS

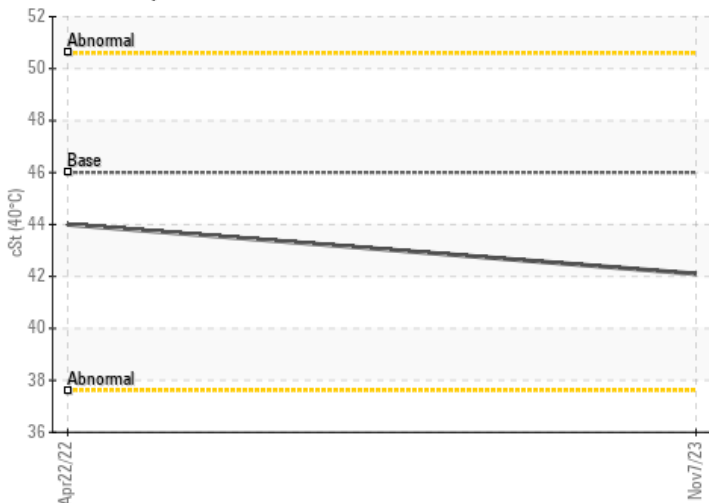
Ferrous Alloys



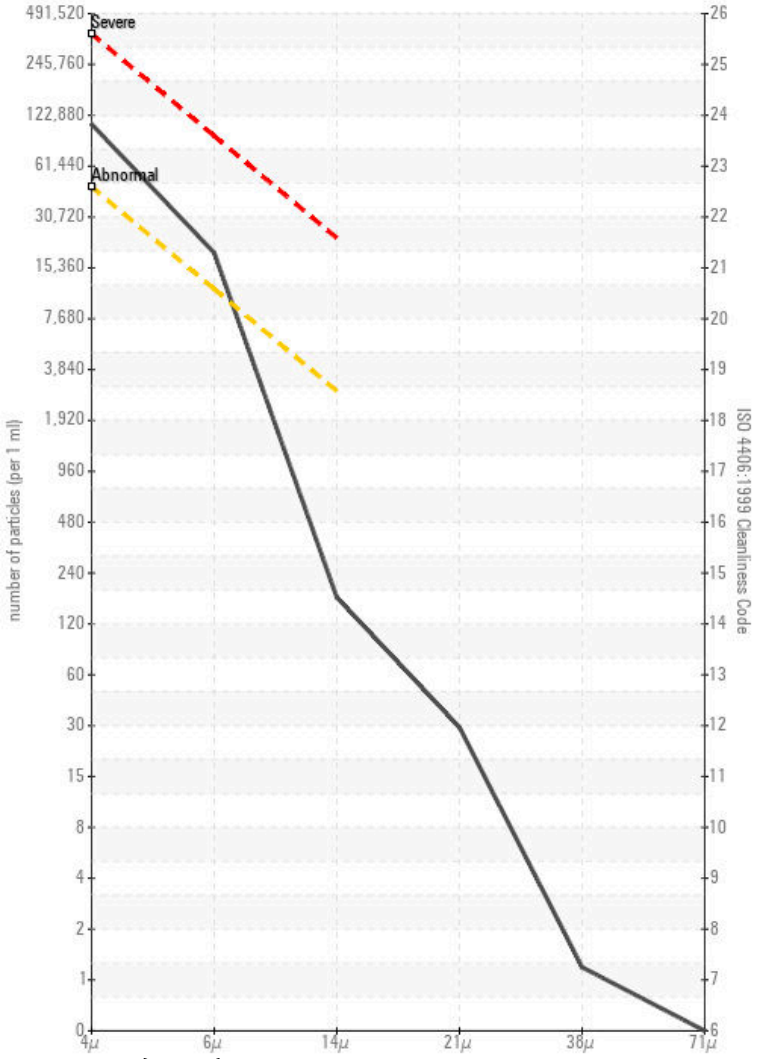
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

