



CONSTRUCTION EQUIPMENT

SWA400347 THREE LAKE VOLVO ECR145 316421 - HYDRAULIC SYSTEM



Sample No: VCP431661
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWA400347 THREE LAKE



SAMPLE INFORMATION

Sample Number	VCP431661	---	---	---
Sample Date	27 Oct 2023	---	---	---
Machine Hours	1035	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ATTENTION	---	---	---

ALTA EQUIPMENT COMPANY

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DAVIE, FL
US 33314

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OIL CONDITION

Visc @ 40°C	cSt	█ 42.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.53	---	---	---



CONTAMINATION

Particles >4µm		▲ 57075	---	---	---
Particles >6µm		█ 2562	---	---	---
Particles >14µm		█ 60	---	---	---
ISO 4406:1999 (c)		23/19/13	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.

All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) 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	█ 3	---	---	---
Copper	ppm	█ 34	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 79	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 548	---	---	---
Phosphorus	ppm	█ 386	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0095
Unique No: 10724992
Signed: Wes Davis
Report Date: 03 Nov 2023

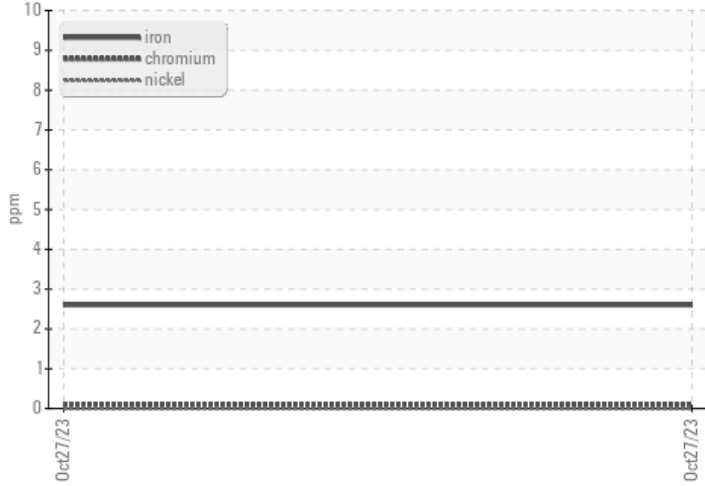


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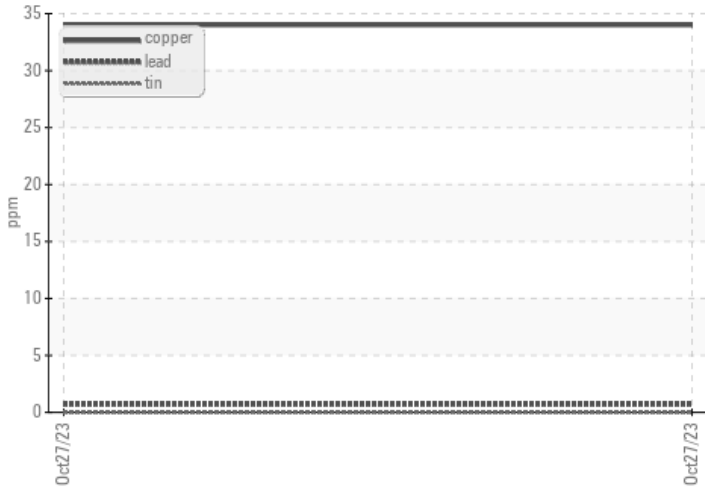


GRAPHS

Ferrous Alloys



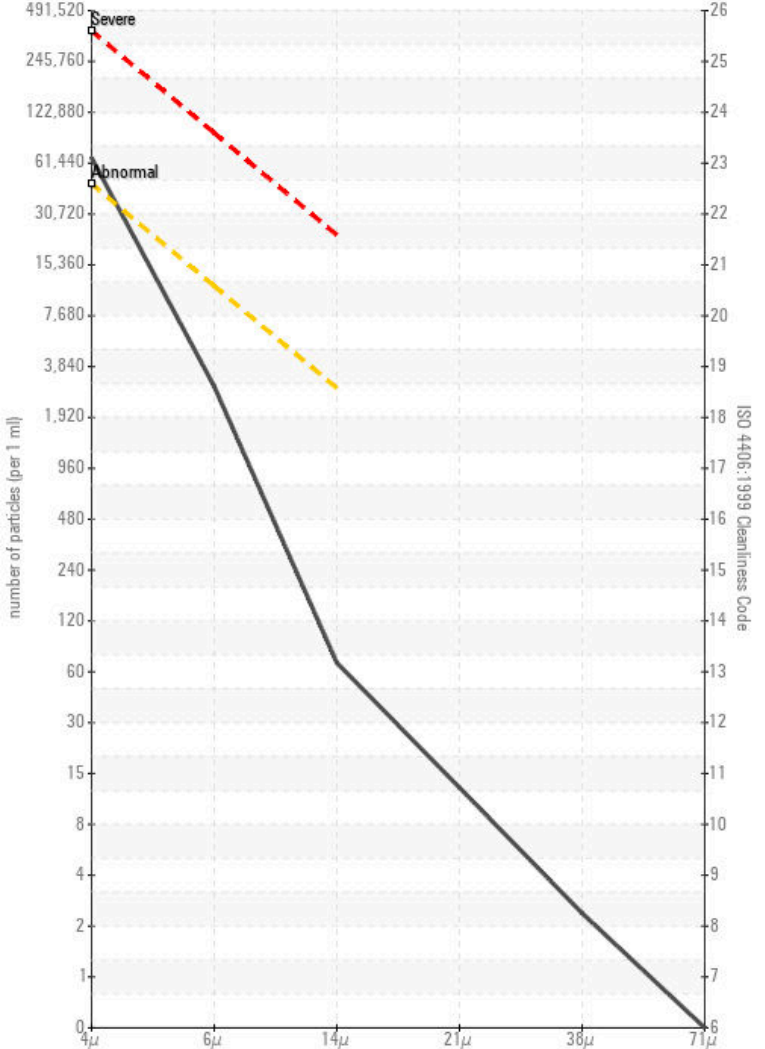
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

