



CONSTRUCTION EQUIPMENT

X58407 VOLVO EC380EL 314998 - HYDRAULIC SYSTEM



Sample No: VCP413364
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: x58407



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SAMPLE INFORMATION

Sample Number	VCP413364	---	---	---
Sample Date	11 Aug 2023	---	---	---
Machine Hours	1084	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 45.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.48	---	---	---

CONTAMINATION

Particles >4µm		▲ 95803	---	---	---
Particles >6µm		▲ 11191	---	---	---
Particles >14µm		█ 58	---	---	---
ISO 4406:1999 (c)		24/21/13	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 22	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 75	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 529	---	---	---
Phosphorus	ppm	█ 422	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. 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 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.

Depot: SCOSAI
Unique No: 10606639
Signed: Wes Davis
Report Date: 18 Aug 2023

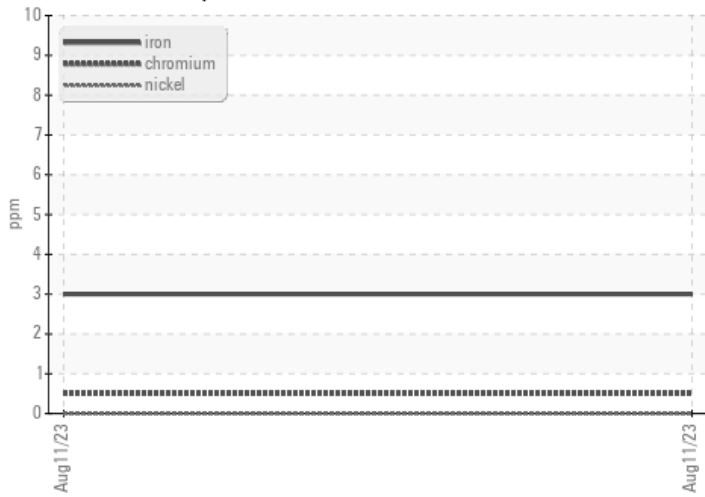


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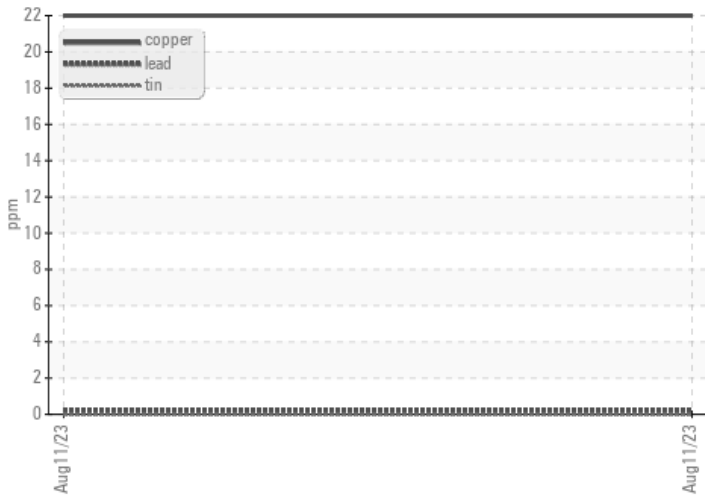


GRAPHS

Ferrous Alloys



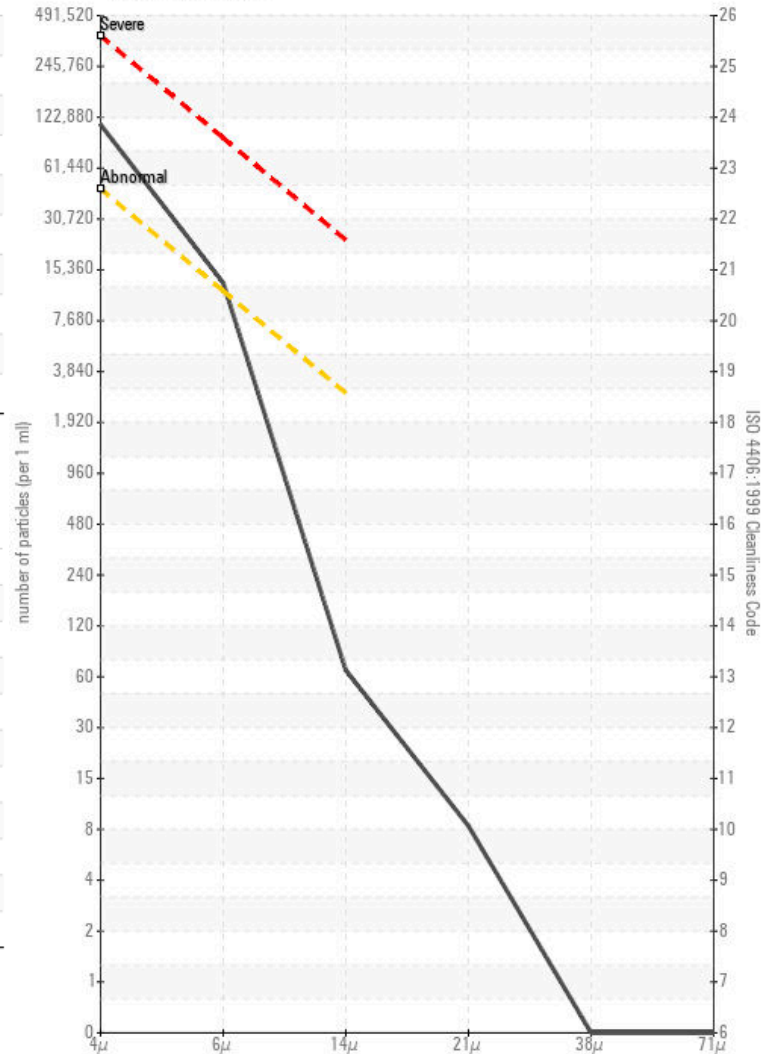
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

