



CONSTRUCTION EQUIPMENT

8-293756 VOLVO EC480E 310415 - HYDRAULIC SYSTEM



Sample No: VCP298399
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 8-293756



SAMPLE INFORMATION

Sample Number	VCP298399	---	---	---
Sample Date	10 Aug 2021	---	---	---
Machine Hours	3998	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 43.1	---	---	---
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CONTAMINATION

Particles >4µm		█ 7475	---	---	---
Particles >6µm		█ 186	---	---	---
Particles >14µm		█ 14	---	---	---
ISO 4406:1999 (c)		20/15/11	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. 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. Chromium ppm levels are abnormal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	▲ 13	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 75	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 472	---	---	---
Phosphorus	ppm	█ 409	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 1	---	---	---

Depot: LAKWHI
Unique No: 5267043
Signed: Kevin Marson
Report Date: 20 Aug 2021

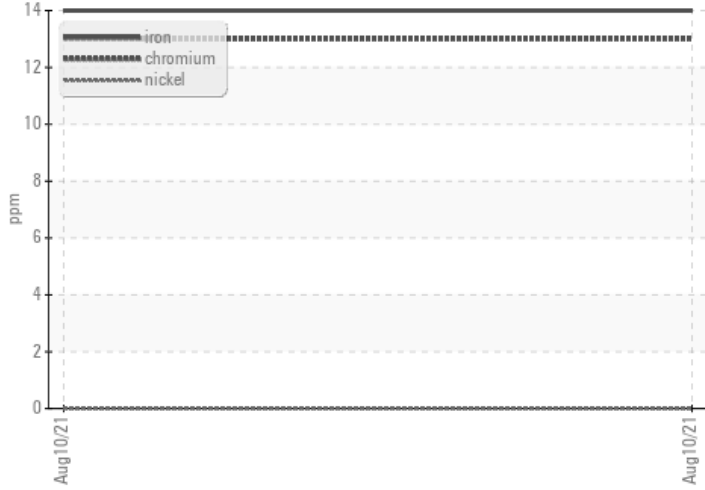


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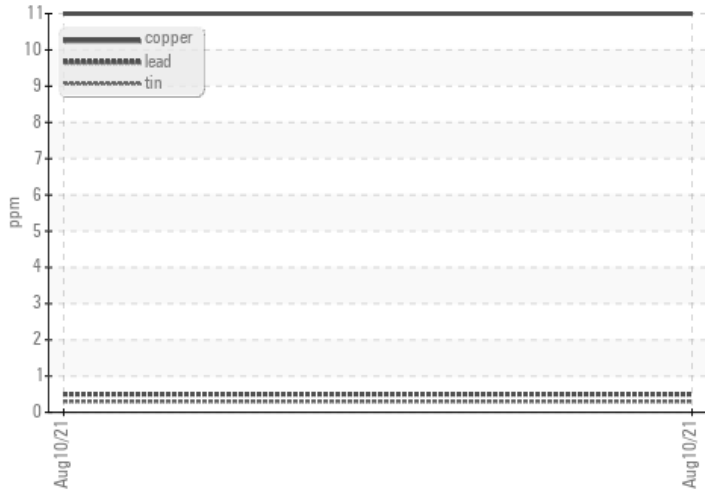


VOLVO GRAPHS

▲ Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

