



CONSTRUCTION EQUIPMENT

734526 MARTIN MARIET VOLVO EC250EL 314034 - HYDRAULIC SYSTEM



Sample No: VCP420963
Oil Type: CHEVRON HYDRAULIC OIL AW ISO 46
Job No: 734526 MARTIN MARIET



SAMPLE INFORMATION

Sample Number	VCP420963	---	---	---
Sample Date	19 Mar 2023	---	---	---
Machine Hours	4566	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 44.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.55	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 184803	---	---	---
Particles >6µm		▲ 56719	---	---	---
Particles >14µm		█ 59	---	---	---
ISO 4406:1999 (c)		25/23/13	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high 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	█ 8	---	---	---
Copper	ppm	█ 20	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 13	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 77	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 199	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 426	---	---	---
Phosphorus	ppm	█ 378	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0088
Unique No: 10391293
Signed: Don Baldrige
Report Date: 29 Mar 2023

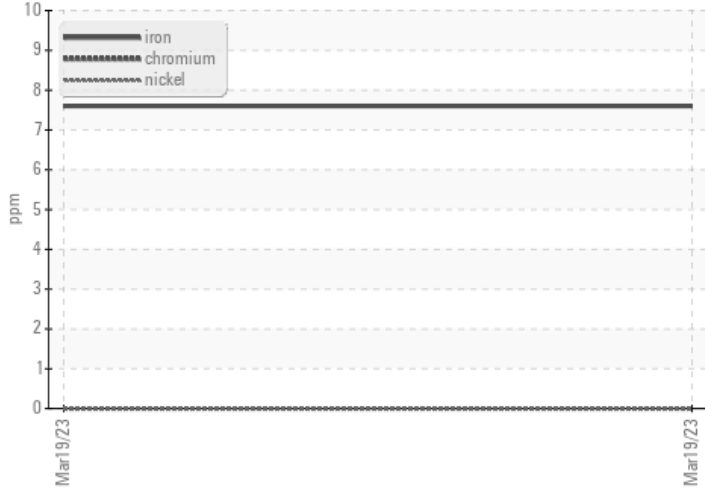


CONSTRUCTION EQUIPMENT

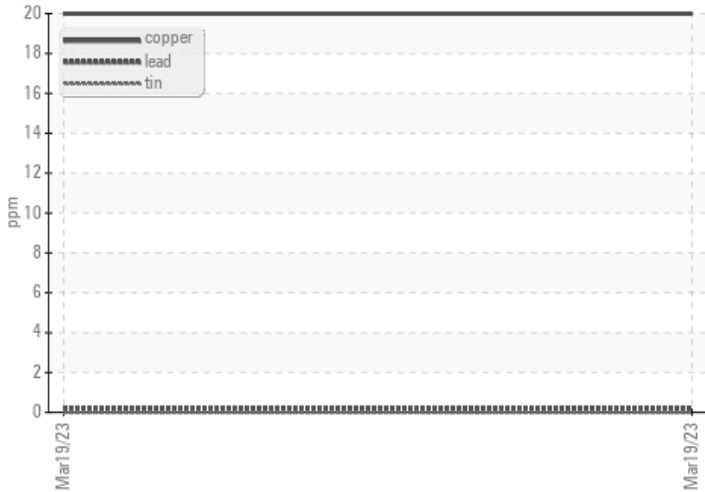


GRAPHS

Ferrous Alloys



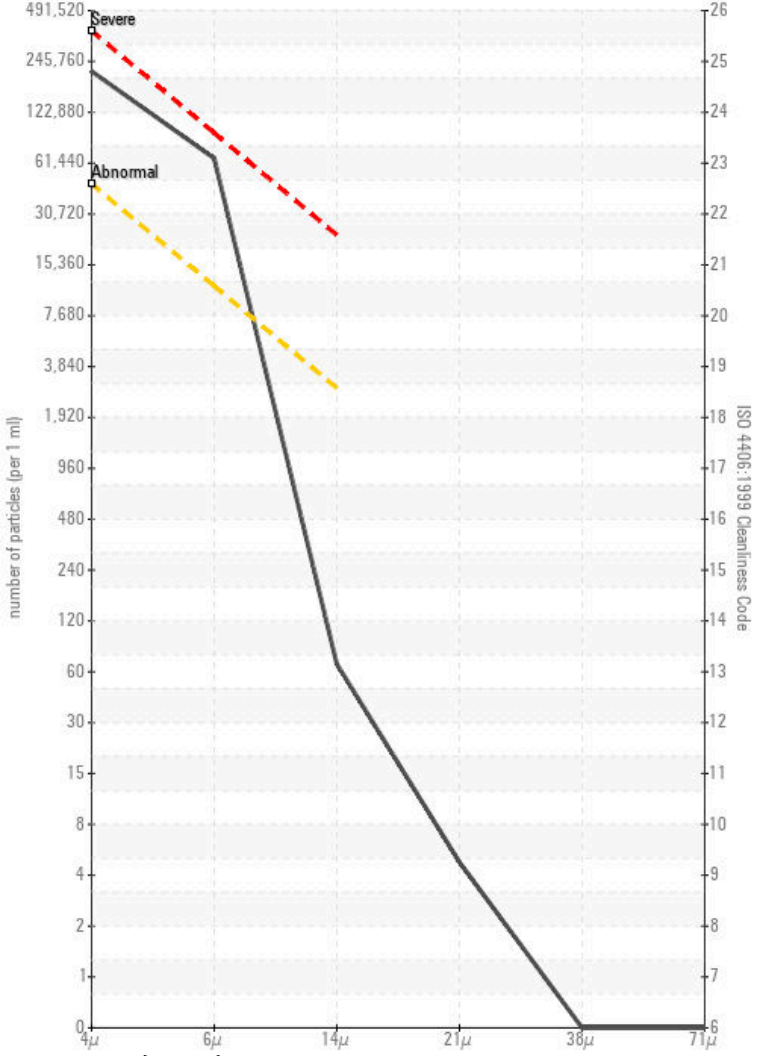
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

