



CONSTRUCTION EQUIPMENT

MARTIN MARIETTA VOLVO EC480E 311274 - HYDRAULIC SYSTEM



Sample No: VCP392652
Oil Type: CHEVRON HYDRAULIC OIL AW ISO 46
Job No: MARTIN MARIETTA



ROMCO INC - AUSTIN BRANCH
 1150 WEST OLD SETTLERS BOULEVARD
 ROUNDROCK, TX
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 T: (737)204-9402
 F: (512)388-2673

SAMPLE INFORMATION

Sample Number	VCP392652	---	---	---
Sample Date	03 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 46.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.45	---	---	---

CONTAMINATION

Particles >4µm		█ 39518	---	---	---
Particles >6µm		█ 7852	---	---	---
Particles >14µm		█ 420	---	---	---
ISO 4406:1999 (c)		22/20/16	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 17	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 172	---	---	---
Magnesium	ppm	█ 9	---	---	---
Zinc	ppm	█ 427	---	---	---
Phosphorus	ppm	█ 389	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0088
Unique No: 10669412
Signed: Doug Bogart
Report Date: 28 Sep 2023

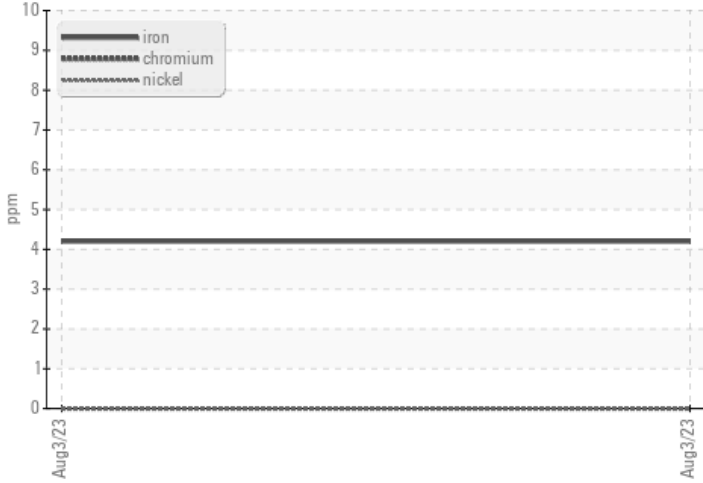


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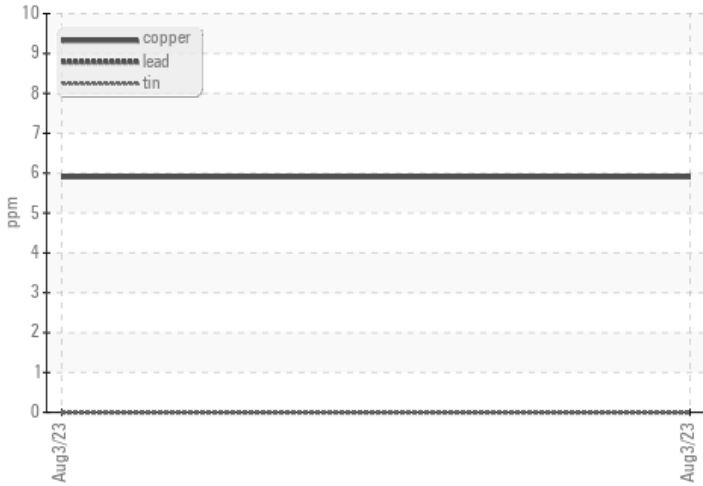


GRAPHS

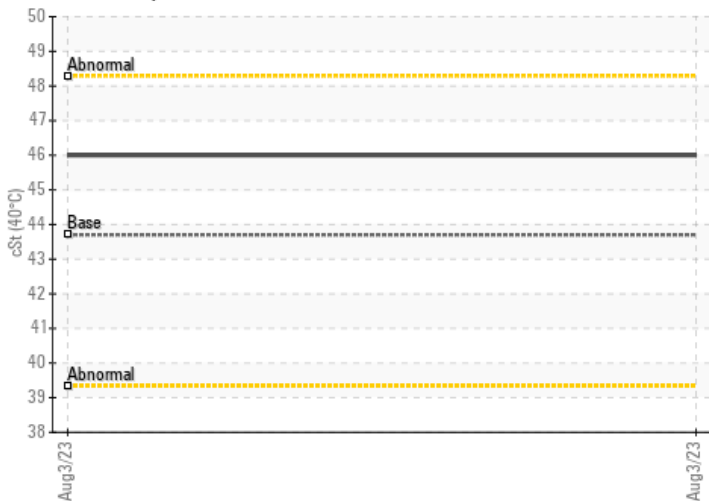
Ferrous Alloys



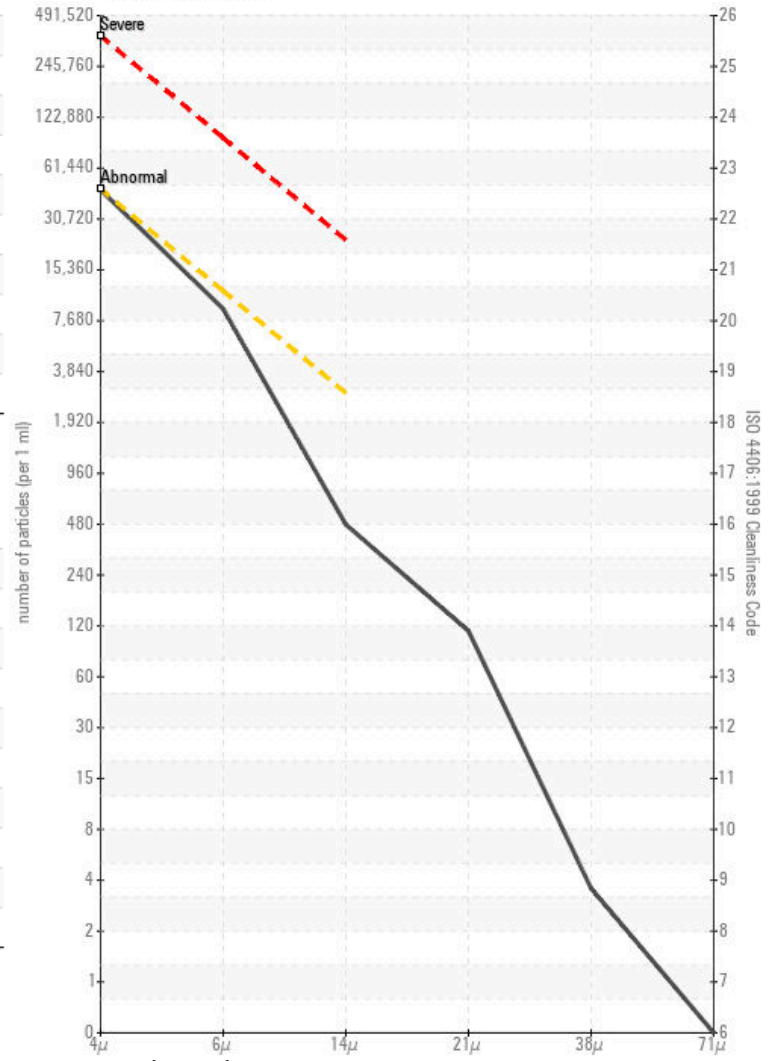
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

