



# CONSTRUCTION EQUIPMENT

MARTIN MARIETTA VOLVO A60H 350249 - HYDRAULIC SYSTEM



**Sample No:** VCP410396  
**Oil Type:** CHEVRON HYDRAULIC OIL AW ISO 46  
**Job No:** MARTIN MARIETTA



## SAMPLE INFORMATION

Sample Number	VCP410396	---	---	---
Sample Date	03 Aug 2023	---	---	---
Machine Hours	2004	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	■ 49.4	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.51	---	---	---



## CONTAMINATION

Particles >4µm		▲ 85621	---	---	---
Particles >6µm		▲ 26543	---	---	---
Particles >14µm		▲ 602	---	---	---
ISO 4406:1999 (c)		24/22/16	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 0	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates 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	■ 4	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	729	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 576	---	---	---
Phosphorus	ppm	■ 466	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

**Depot:** VOLVO0088  
**Unique No:** 10669411  
**Signed:** Jonathan Hester  
**Report Date:** 29 Sep 2023

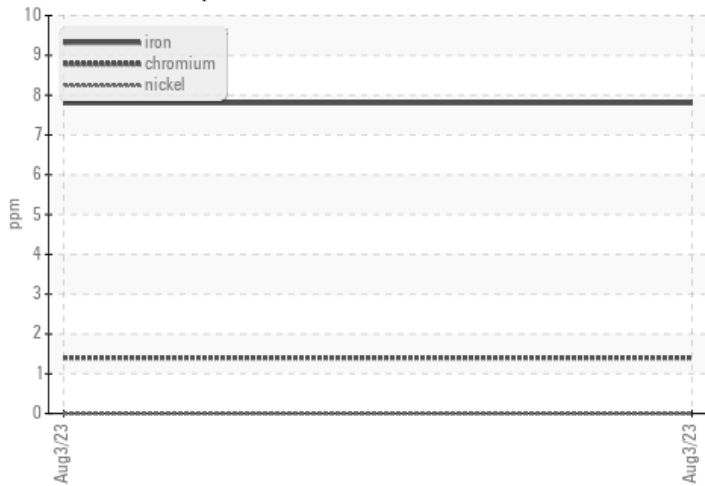


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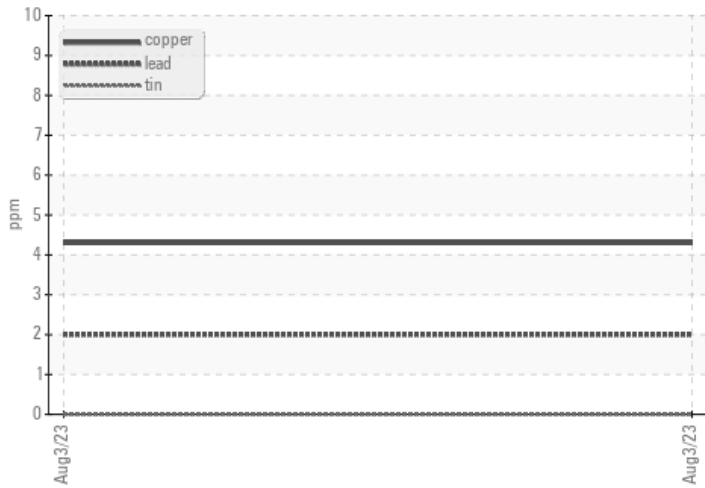


## GRAPHS

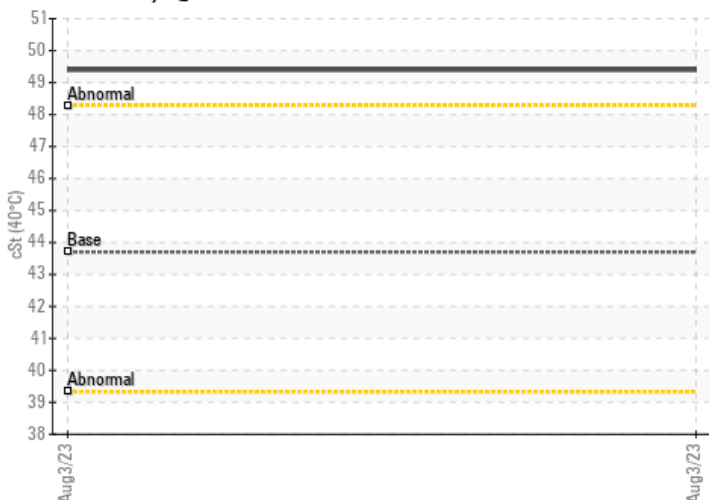
### Ferrous Alloys



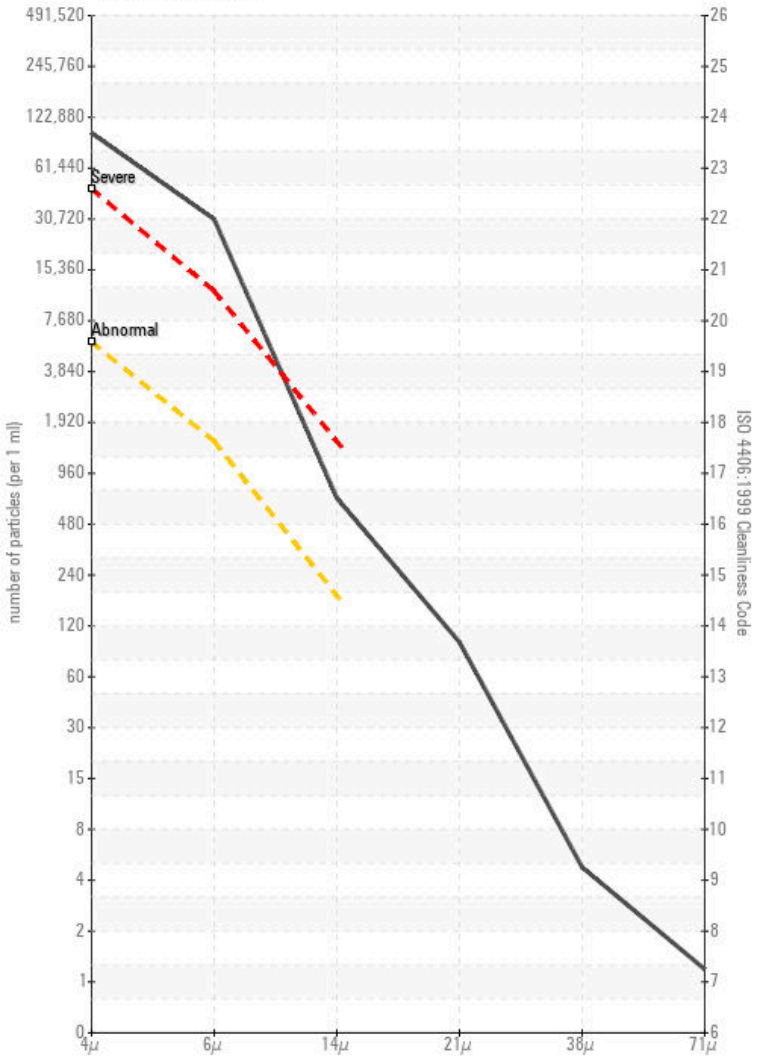
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

