



# CONSTRUCTION EQUIPMENT

## A11436 JMC VOLVO ECR58E 210814 - HYDRAULIC SYSTEM



**Sample No:** VCP430931  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A11436 JMC



### SAMPLE INFORMATION

Sample Number	VCP430931	VCP296013	---	---
Sample Date	03 Nov 2023	18 Dec 2020	---	---
Machine Hours	1410	465	---	---
Oil Hours	1410	465	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

**HOFFMAN EQUIPMENT - LIONVILLE**  
 120 GORDON DRIVE  
 LIONVILLE, PA  
 US 19341  
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 T: (610)363-9200  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 42.5	█ 43.5	---	---
Acid Number (AN)	mg KOH/g	█ 0.47	█ 0.330	---	---



### CONTAMINATION

Particles >4µm		▲ 153142	---	---	---
Particles >6µm		▲ 46924	---	---	---
Particles >14µm		█ 129	---	---	---
ISO 4406:1999 (c)		24/23/14	---	---	---
Silicon	ppm	█ 3	█ <1	---	---
Sodium	ppm	█ <1	█ 1	---	---
Potassium	ppm	█ <1	█ 0	---	---

**Diagnosis**  
 No corrective action is recommended at this time. The 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 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	█ 7	█ 2	---	---
Copper	ppm	█ 22	█ 3	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 0	0	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	█ 107	█ 96	---	---
Magnesium	ppm	█ 1	█ <1	---	---
Zinc	ppm	█ 433	█ 495	---	---
Phosphorus	ppm	█ 369	█ 372	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ <1	---	---

**Depot:** VOLVO8879  
**Unique No:** 10737944  
**Signed:** Don Baldrige  
**Report Date:** 14 Nov 2023

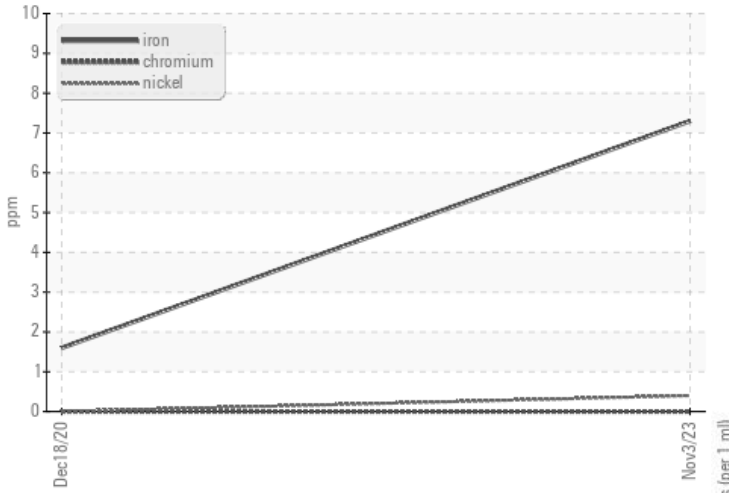


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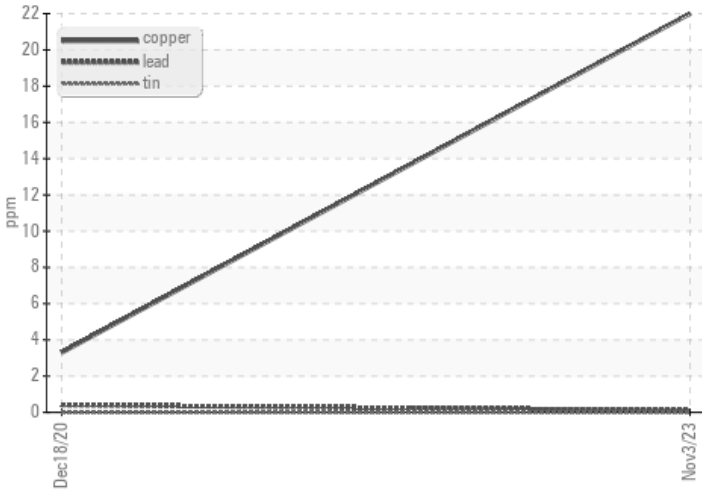


## GRAPHS

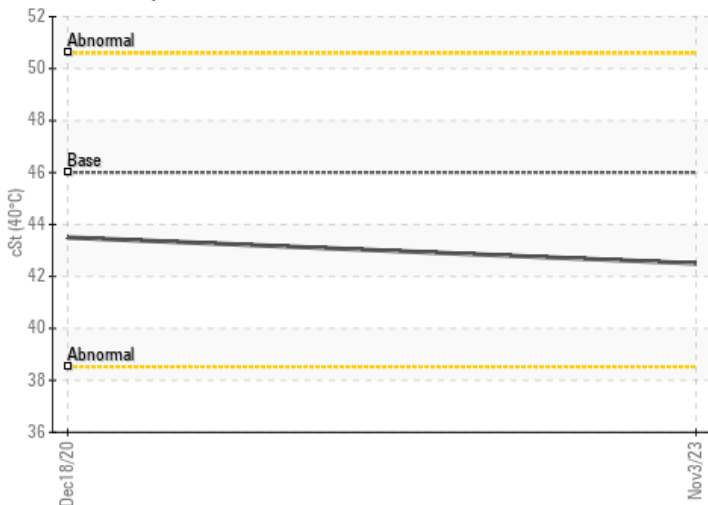
### Ferrous Alloys



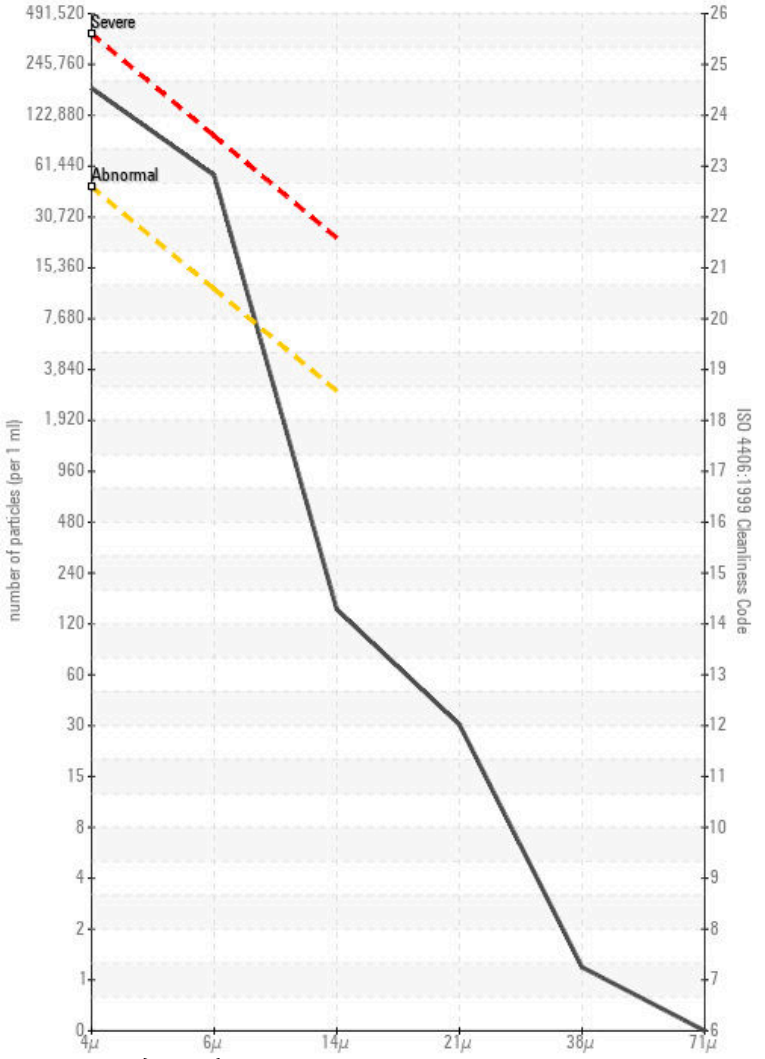
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

