



CONSTRUCTION EQUIPMENT

A113402 JMC VOLVO ECR235E 311598 - HYDRAULIC SYSTEM



Sample No: VCP430942
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A113402 JMC



SAMPLE INFORMATION

Sample Number	VCP430942	VCP288084	---	---
Sample Date	31 Oct 2023	19 Nov 2020	---	---
Machine Hours	1145	490	---	---
Oil Hours	1145	490	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
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OIL CONDITION

Visc @ 40°C	cSt	44.3	44.5	---	---
Acid Number (AN)	mg KOH/g	0.54	0.583	---	---



CONTAMINATION

Particles >4µm		29889	1816	---	---
Particles >6µm		2411	156	---	---
Particles >14µm		11	6	---	---
ISO 4406:1999 (c)		22/18/11	18/14/10	---	---
Silicon	ppm	2	3	---	---
Sodium	ppm	1	0	---	---
Potassium	ppm	<1	<1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	<1	2	---	---
Copper	ppm	28	23	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	101	117	---	---
Magnesium	ppm	1	<1	---	---
Zinc	ppm	676	668	---	---
Phosphorus	ppm	518	514	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	<1	---	---

Depot: VOLVO8879
Unique No: 10737946
Signed: Don Baldrige
Report Date: 14 Nov 2023

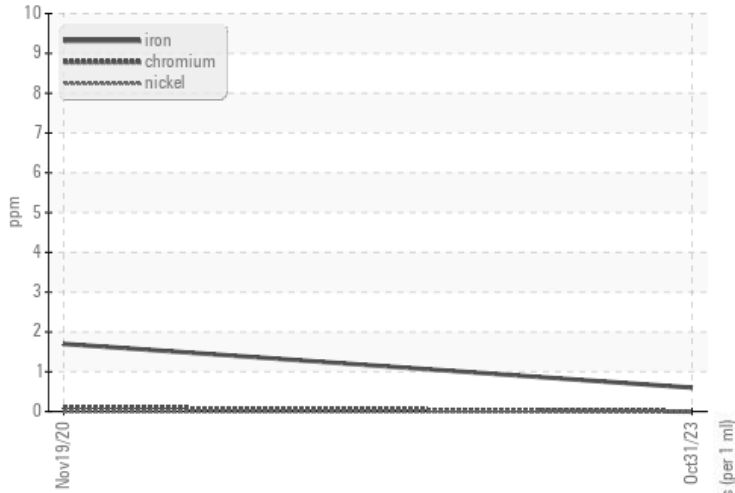


CONSTRUCTION EQUIPMENT

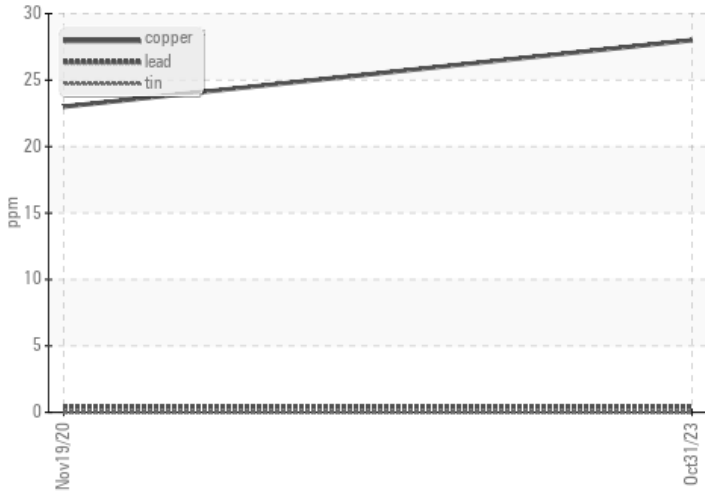


GRAPHS

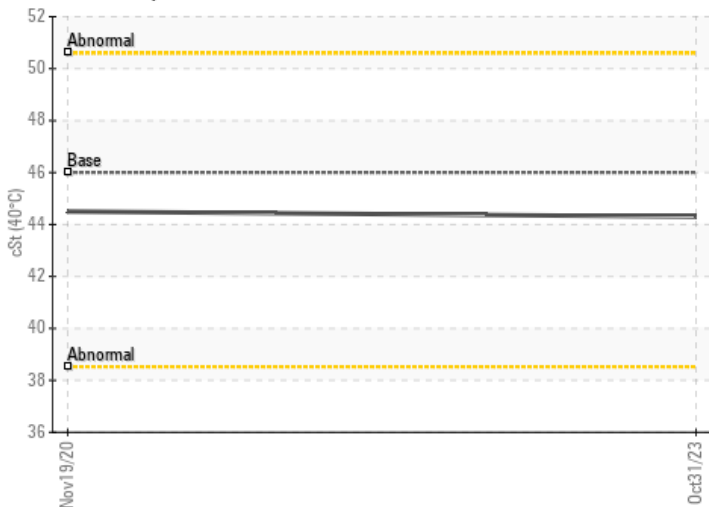
Ferrous Alloys



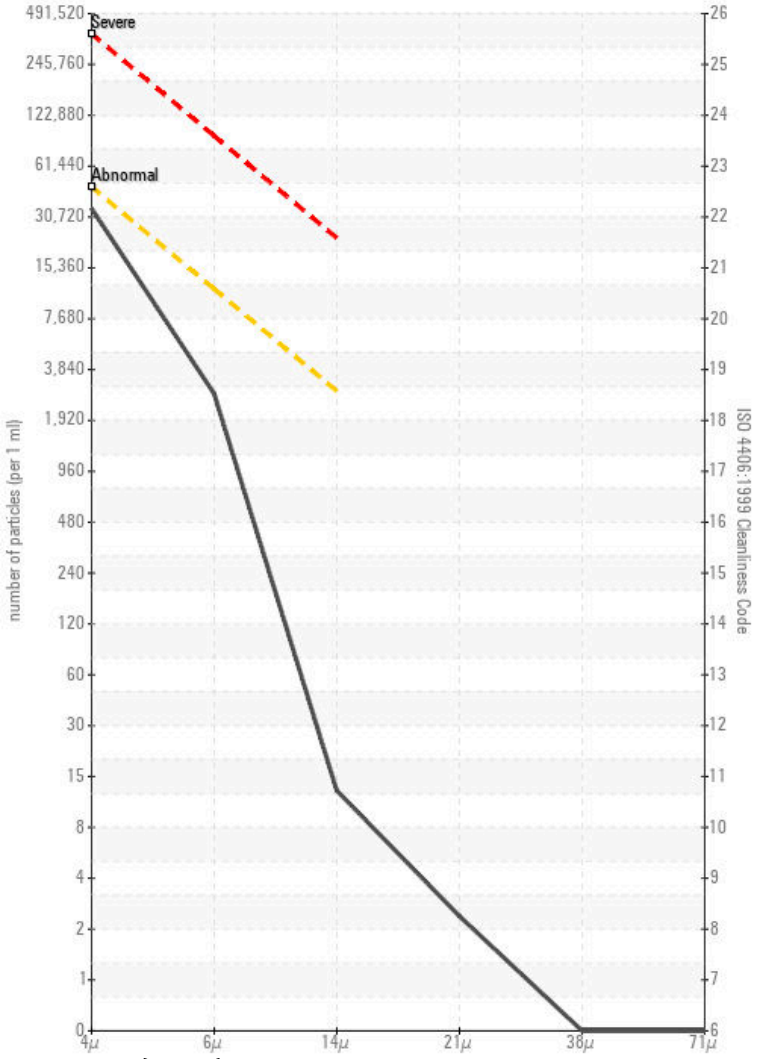
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

