



CONSTRUCTION EQUIPMENT

A11036 LEW VOLVO A40G 3425 18 - HYDRAULIC SYSTEM



Sample No: VCP412351
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A11036 LEW



SAMPLE INFORMATION

Sample Number	VCP412351	VCP389506	---	---
Sample Date	14 Sep 2023	18 Oct 2022	---	---
Machine Hours	5000	4365	---	---
Oil Hours	1000	2000	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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

Visc @ 40°C	cSt	44.0	42.6	---	---
Acid Number (AN)	mg KOH/g	0.36	0.38	---	---



CONTAMINATION

Particles >4µm		5852	17698	---	---
Particles >6µm		1316	4844	---	---
Particles >14µm		60	424	---	---
ISO 4406:1999 (c)		20/18/13	21/19/16	---	---
Silicon	ppm	4	6	---	---
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	6	8	---	---
Copper	ppm	1	2	---	---
Lead	ppm	1	2	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	1	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	142	176	---	---
Magnesium	ppm	17	6	---	---
Zinc	ppm	535	472	---	---
Phosphorus	ppm	391	353	---	---
Barium	ppm	0	0	---	---
Boron	ppm	1	4	---	---

Depot: VOLVO8879
Unique No: 10672765
Signed: Don Baldrige
Report Date: 03 Oct 2023

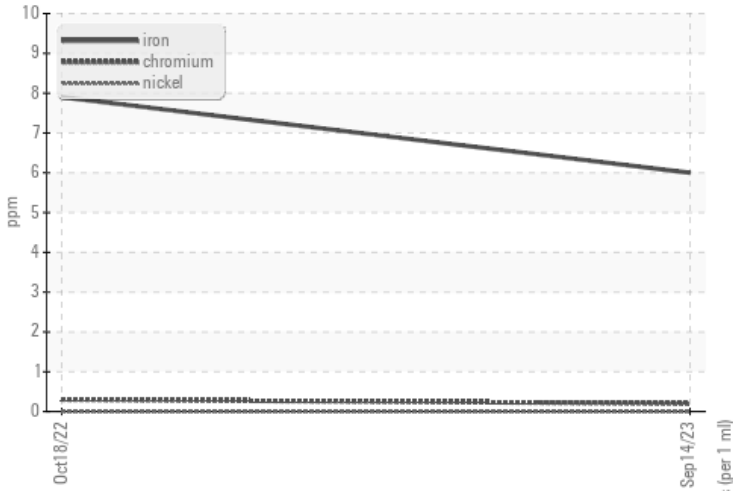


CONSTRUCTION EQUIPMENT

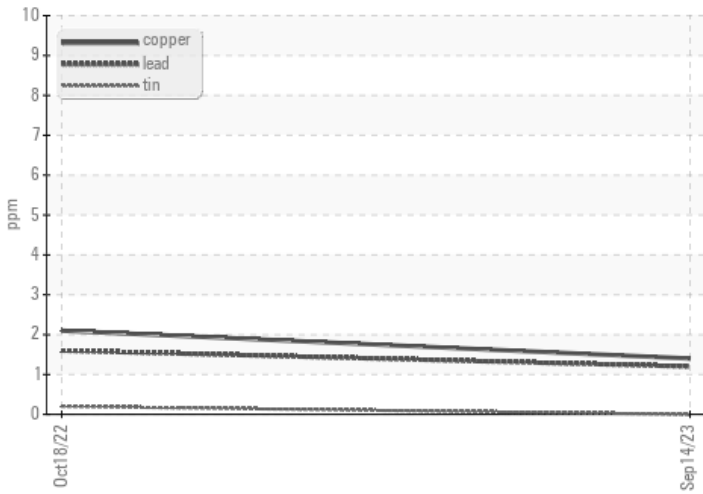


GRAPHS

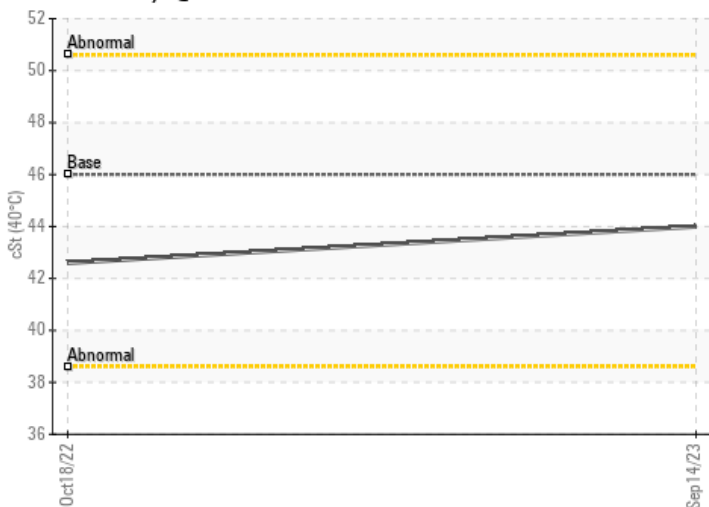
Ferrous Alloys



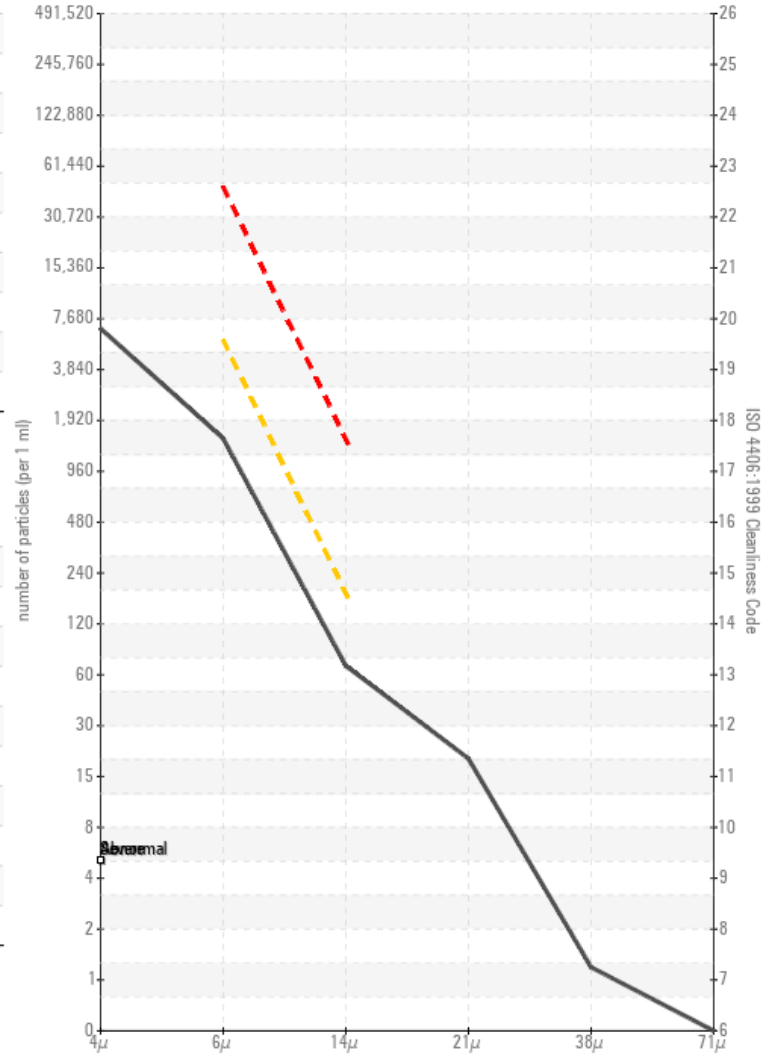
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

