



CONSTRUCTION EQUIPMENT

INFRAMARK LLC VOLVO A60H 621436 - HYDRAULIC SYSTEM



Sample No: VCE141943
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: INFRAMARK LLC



SAMPLE INFORMATION

Sample Number	VCE141943	---	---	---
Sample Date	09 Oct 2023	---	---	---
Machine Hours	1849	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

MCCLUNG-LOGAN EQUIPMENT CO - WISE
PO BOX 1158
WISE, VA
US 24293
Contact: DANNY BARRINGTON
dbarrington@mcclung-logan.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	40.8	---	---	---
Acid Number (AN)	mg KOH/g	0.33	---	---	---



CONTAMINATION

Particles >4µm		13709	---	---	---
Particles >6µm		3176	---	---	---
Particles >14µm		104	---	---	---
ISO 4406:1999 (c)		21/19/14	---	---	---
Silicon	ppm	3	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	0	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

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



ADDITIVES

Calcium	ppm	41	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	376	---	---	---
Phosphorus	ppm	289	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: VOLVO8881
Unique No: 10727351
Signed: Wes Davis
Report Date: 07 Nov 2023

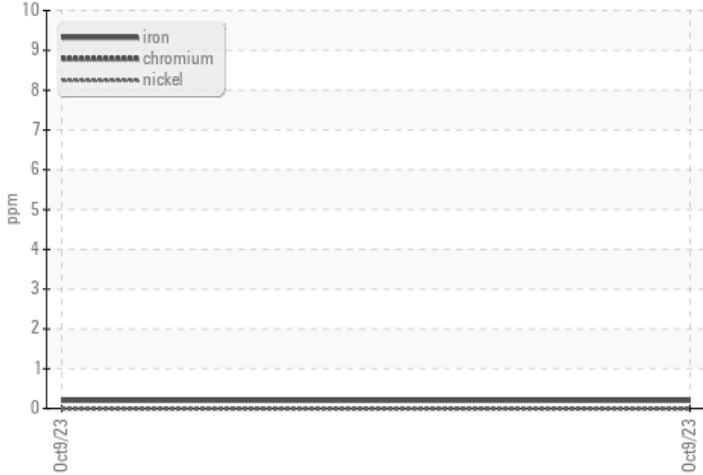


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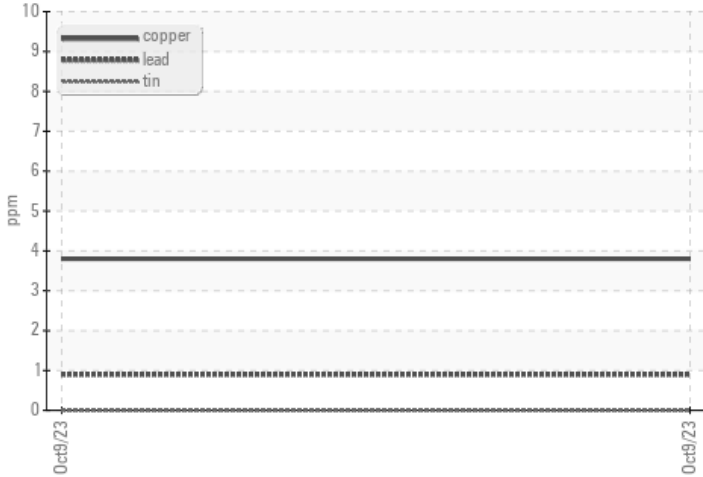


GRAPHS

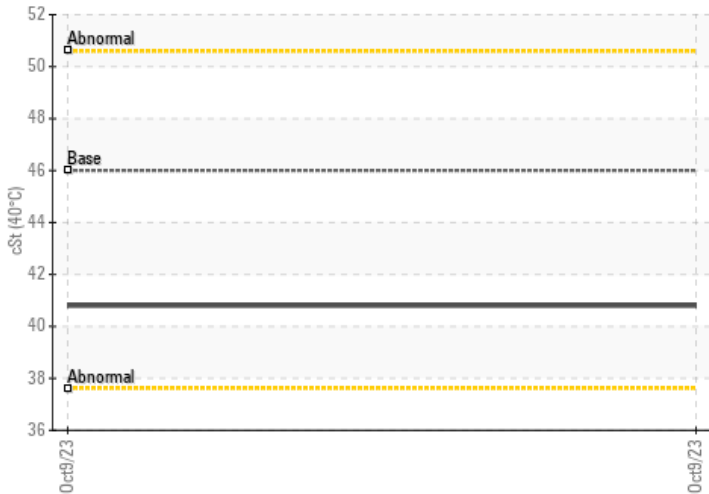
Ferrous Alloys



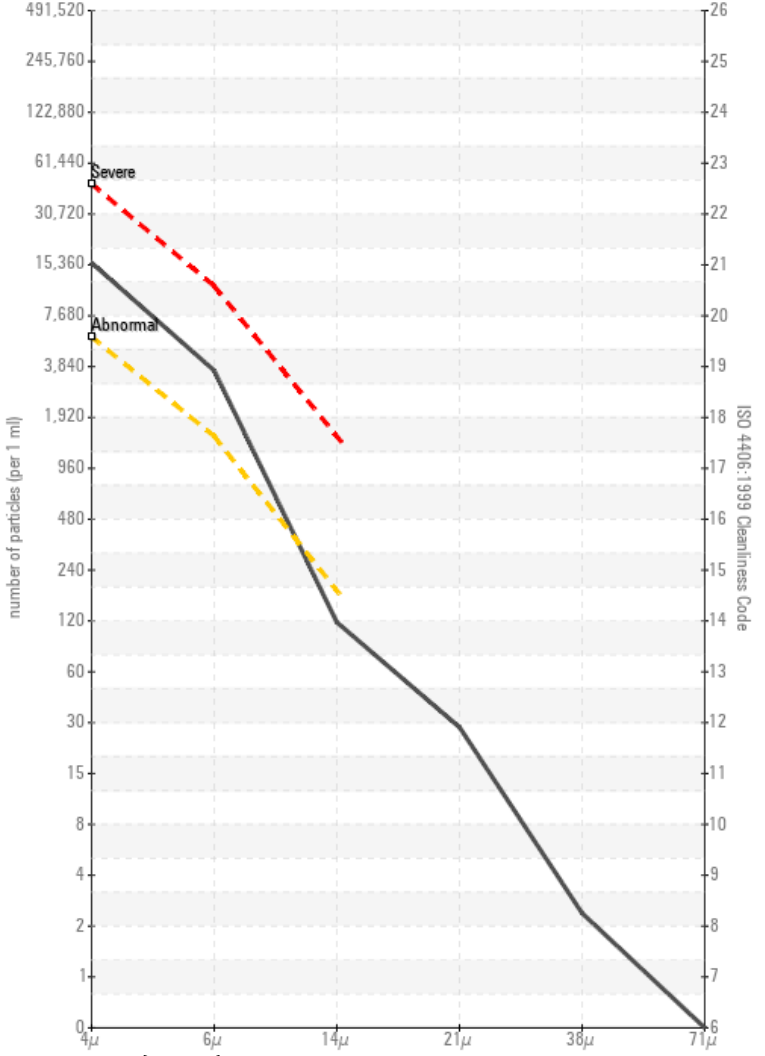
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

