



CONSTRUCTION EQUIPMENT

SWA381382 RENTAL JLG 8042 0160101820 - HYDRAULIC SYSTEM



Sample No: VCP404537
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWA381382 RENTAL



SAMPLE INFORMATION

Sample Number	VCP404537	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	1234	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
Contact: PAUL ELZERMAN
paul.elzerman@altaequipment.com
T: (248)356-5200
F: (248)356-2029

OIL CONDITION

Visc @ 40°C	cSt	█ 51.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 1.33	---	---	---

CONTAMINATION

Particles >4µm		█ 19037	---	---	---
Particles >6µm		▲ 6353	---	---	---
Particles >14µm		█ 483	---	---	---
ISO 4406:1999 (c)		21/20/16	---	---	---
Silicon	ppm	▲ 31	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ 2	---	---	---

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 moderate amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 3186	---	---	---
Magnesium	ppm	█ 37	---	---	---
Zinc	ppm	█ 1397	---	---	---
Phosphorus	ppm	█ 1061	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 104	---	---	---

Depot: VOLVO2990
Unique No: 10723873
Signed: Don Baldrige
Report Date: 03 Nov 2023

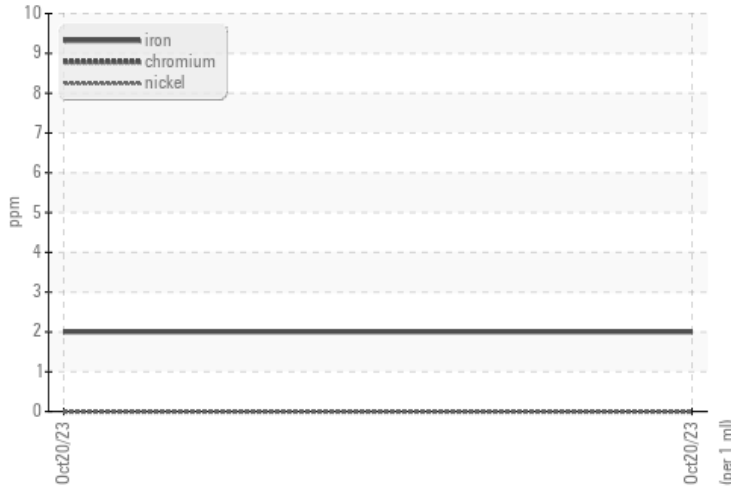


CONSTRUCTION EQUIPMENT

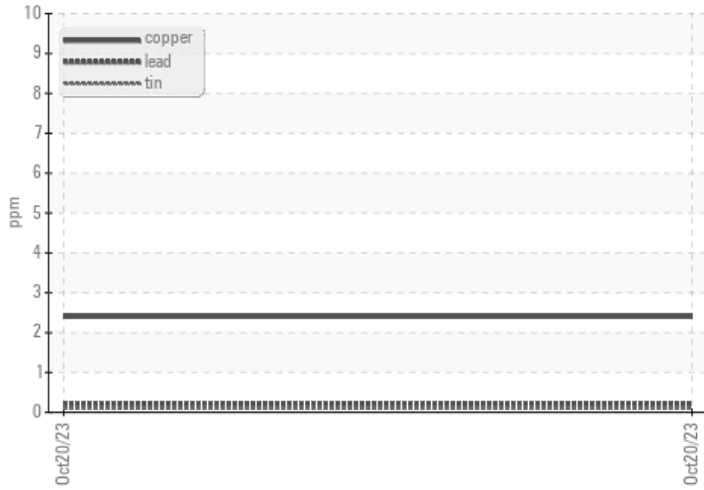


GRAPHS

Ferrous Alloys



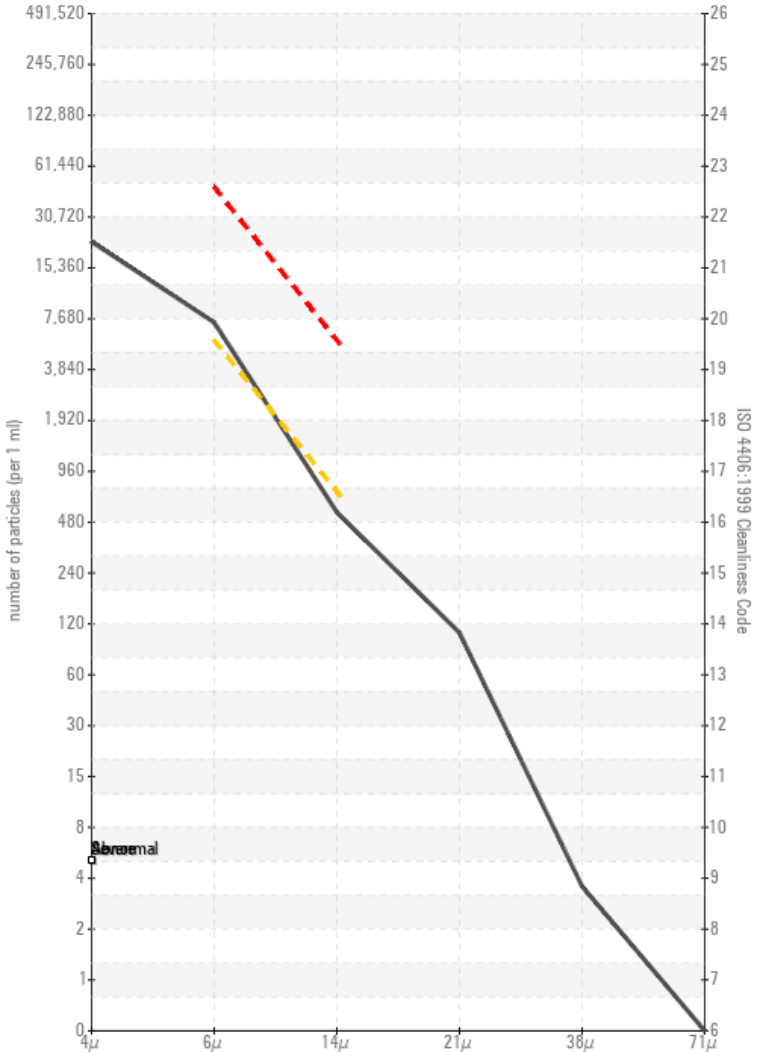
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

