



CONSTRUCTION EQUIPMENT

606519 RUBYS KOMATSU WA270 81496 - HYDRAULIC SYSTEM



Sample No: VCP431334
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 606519 RUBYS



SAMPLE INFORMATION

Sample Number	VCP431334	VCP402849	---	---
Sample Date	26 Sep 2023	24 Mar 2023	---	---
Machine Hours	4491	3262	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: PAUL CONZ
 paul.conz@altg.com
 T: (313)348-8861
 F: (248)356-2029



OIL CONDITION

Visc @ 40°C	cSt	43.0	▲ 53.8	---	---
Acid Number (AN)	mg KOH/g	0.81	■ 1.04	---	---



CONTAMINATION

Silicon	ppm	7	▲ 23	---	---
Sodium	ppm	0	■ <1	---	---
Potassium	ppm	2	■ 3	---	---



WEAR METALS

Iron	ppm	7	■ 6	---	---
Copper	ppm	14	■ 29	---	---
Lead	ppm	1	■ 2	---	---
Tin	ppm	<1	■ <1	---	---
Aluminum	ppm	<1	■ 2	---	---
Chromium	ppm	<1	■ <1	---	---
Molybdenum	ppm	36	▲ 83	---	---
Nickel	ppm	0	■ <1	---	---
Titanium	ppm	1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	■ <1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1379	▲ 3262	---	---
Magnesium	ppm	22	■ 21	---	---
Zinc	ppm	649	■ 1032	---	---
Phosphorus	ppm	519	■ 719	---	---
Barium	ppm	0	■ 1	---	---
Boron	ppm	27	▲ 53	---	---

Diagnosis

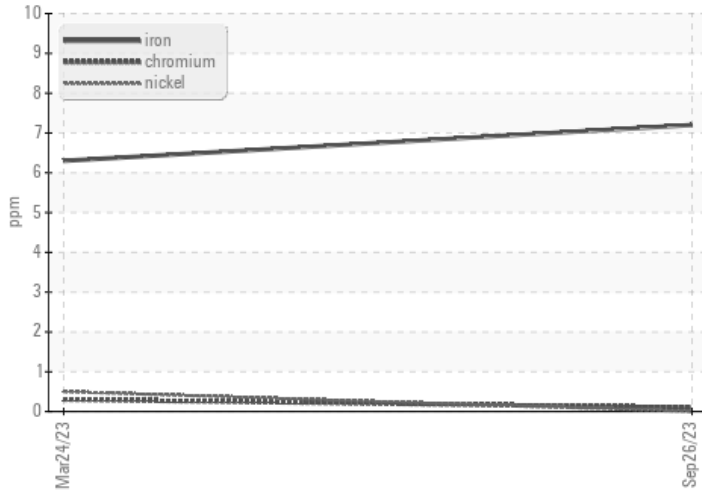
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO2990
Unique No: 10674259
Signed: Don Baldrige
Report Date: 05 Oct 2023

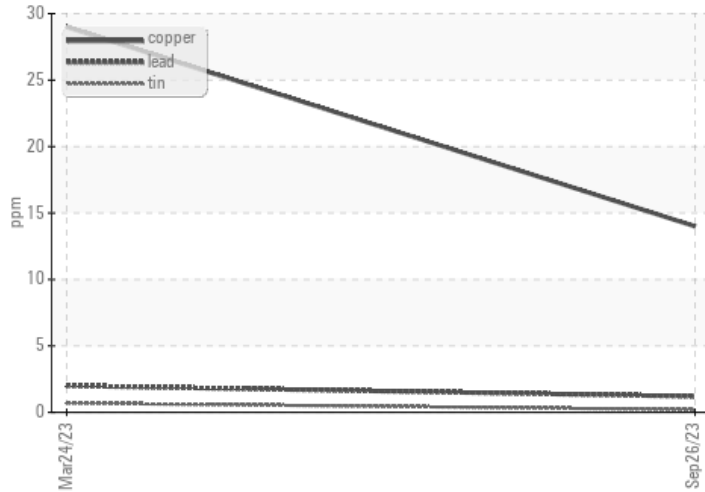


GRAPHS

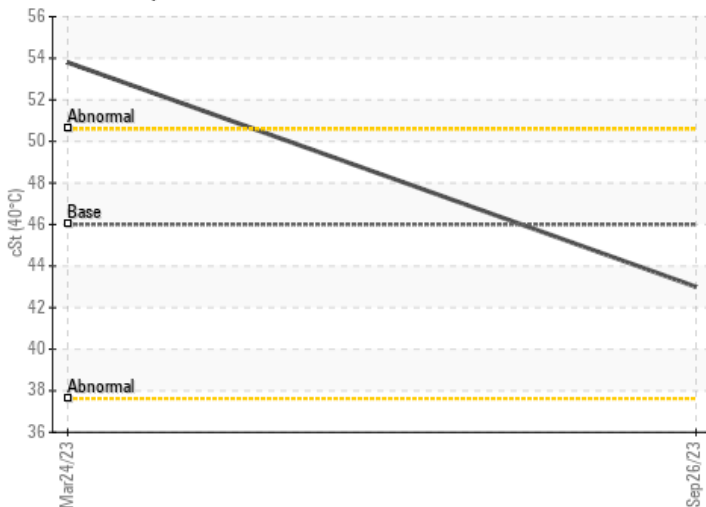
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

