



CONSTRUCTION EQUIPMENT

D44649 WI IND SAND BROCE BROOM RJ-350 405077 - HYDRAULIC SYSTEM



Sample No: VCP407311
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: D44649 WI IND SAND



SAMPLE INFORMATION

Sample Number	VCP407311	---	---	---
Sample Date	26 Oct 2023	---	---	---
Machine Hours	1251	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

ARING EQUIPMENT COMPANY INC - EAU CLAIRE
PO BOX 478
EAU CLAIRE, WI
US 54702
Contact: BRYAN KIRCHNER
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OIL CONDITION

Visc @ 40°C	cSt	█ 46.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.34	---	---	---



CONTAMINATION

Water	%	█ 1.49	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count. All component wear rates are normal. There is a high concentration of water present in the oil. The AN level is acceptable for this fluid.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 77	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 487	---	---	---
Phosphorus	ppm	█ 413	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

Depot: VOLVO0071
Unique No: 10714235
Signed: Don Baldrige
Report Date: 30 Oct 2023

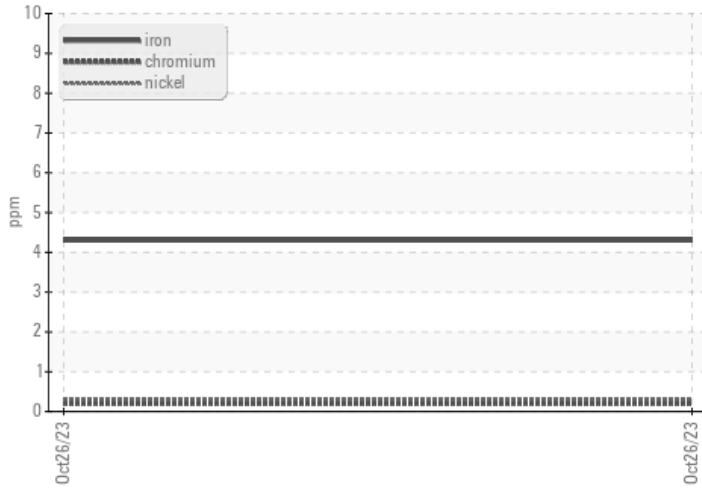


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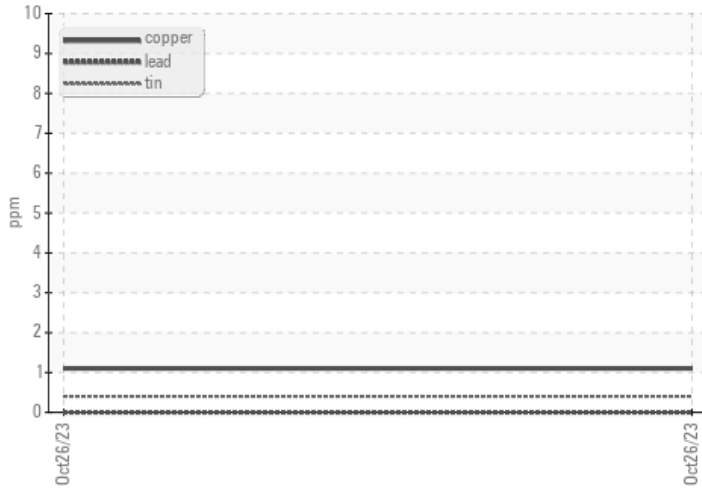


GRAPHS

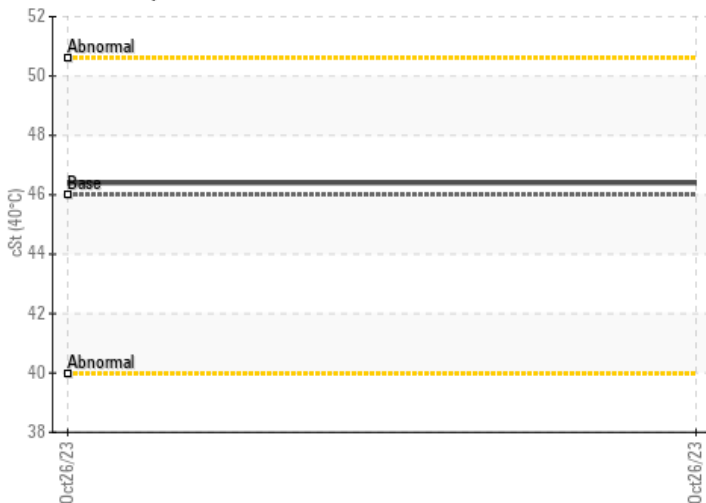
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

