



CONSTRUCTION EQUIPMENT

646159 DIPRO CATERPILLAR 972 2686 - HYDRAULIC SYSTEM



Sample No: VCP452302
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 646159 DIPRO



SAMPLE INFORMATION

Sample Number	VCP452302	VCP383064	---	---
Sample Date	28 Dec 2023	19 Jan 2023	---	---
Machine Hours	12902	10401	---	---
Oil Hours	4000	2000	---	---
Oil Changed	Changed	Not Changd	---	---
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	48.0	53.0	---	---
Acid Number (AN)	mg KOH/g	1.34	1.51	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	12	14	---	---
Sodium	ppm	3	4	---	---
Potassium	ppm	1	0	---	---



WEAR METALS

Iron	ppm	6	2	---	---
Copper	ppm	9	3	---	---
Lead	ppm	2	3	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	160	144	---	---
Magnesium	ppm	6	2	---	---
Zinc	ppm	790	686	---	---
Phosphorus	ppm	542	496	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	0	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. 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 acceptable for the time in service.

Depot: VOLVO2990
Unique No: 10822553
Signed: Doug Bogart
Report Date: 11 Jan 2024

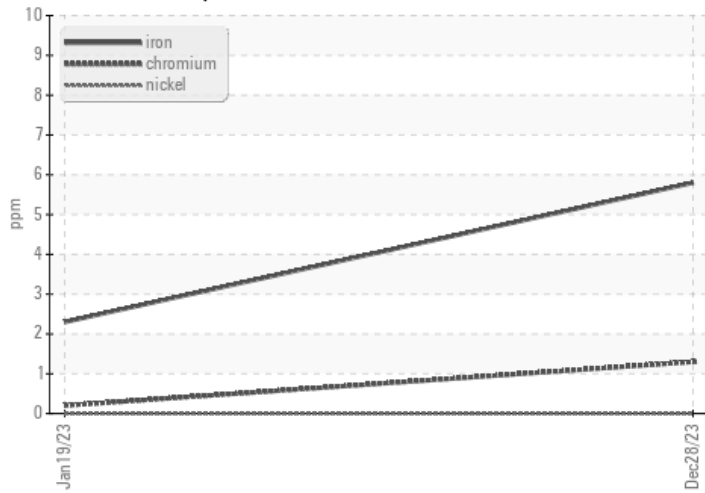


CONSTRUCTION EQUIPMENT

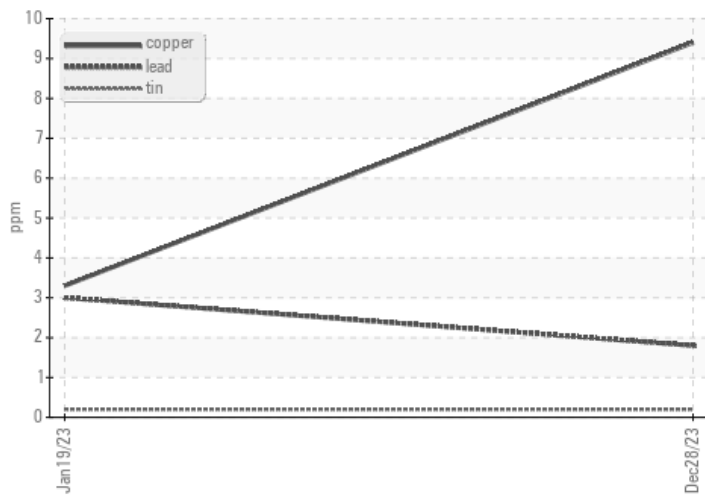


GRAPHS

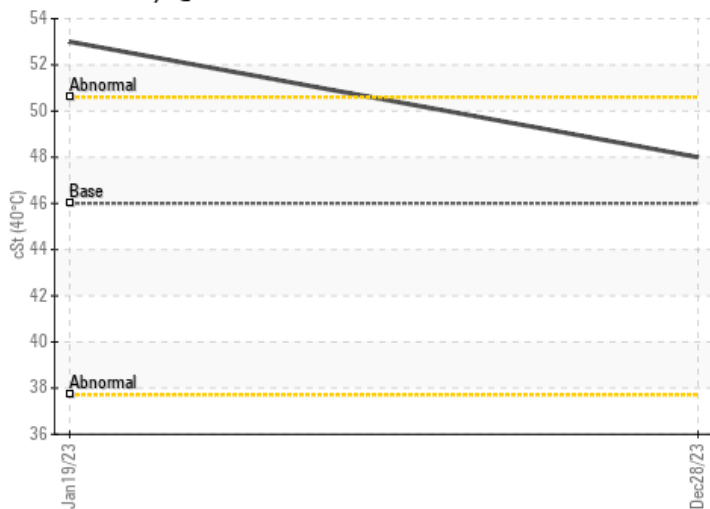
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

