



CONSTRUCTION EQUIPMENT

580266 DIPRO VOLVO A30G 752332 - HYDRAULIC SYSTEM



Sample No: VCP411762
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 580266 DIPRO



SAMPLE INFORMATION

Sample Number	VCP411762	VCP388360	---	---
Sample Date	14 Jul 2023	06 Oct 2022	---	---
Machine Hours	3640	2424	---	---
Oil Hours	3640	2424	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
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OIL CONDITION

Visc @ 40°C	cSt	█ 44.2	█ 44.3	---	---
Acid Number (AN)	mg KOH/g	█ 0.32	█ 0.32	---	---



CONTAMINATION

Particles >4µm	---	20403	---	---	
Particles >6µm	---	█ 3519	---	---	
Particles >14µm	---	█ 85	---	---	
ISO 4406:1999 (c)	---	22/19/14	---	---	
Silicon	ppm	█ 3	█ 4	---	---
Sodium	ppm	█ 4	█ 3	---	---
Potassium	ppm	█ 0	█ 0	---	---

Diagnosis

We recommend you service the filters on this component. 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.



WEAR METALS

Iron	ppm	█ 13	█ 8	---	---
Copper	ppm	█ 6	█ 5	---	---
Lead	ppm	█ 1	█ 1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ <1	█ 0	---	---
Chromium	ppm	█ 3	█ 2	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

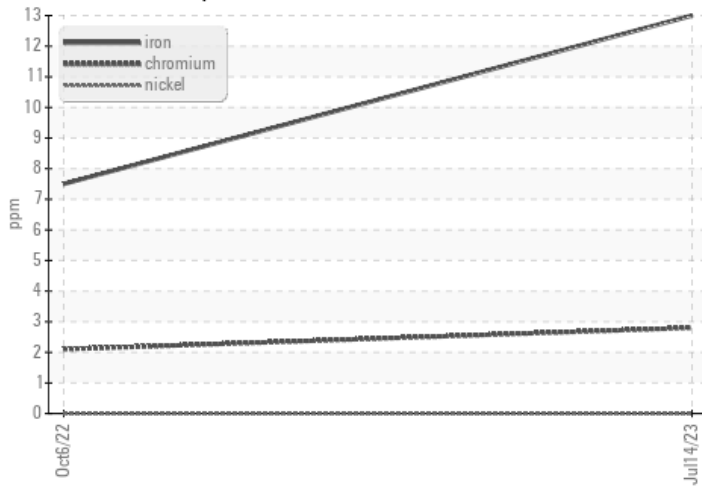
Calcium	ppm	█ 92	█ 53	---	---
Magnesium	ppm	█ 7	█ 5	---	---
Zinc	ppm	█ 446	█ 447	---	---
Phosphorus	ppm	█ 361	█ 341	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

Depot: VOLVO2990
Unique No: 10565662
Signed: Don Baldrige
Report Date: 26 Jul 2023

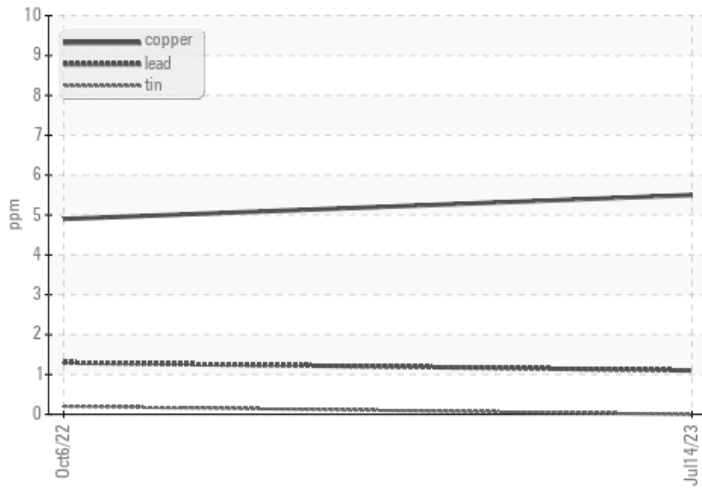


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

