



CONSTRUCTION EQUIPMENT

TRIPLE M METAL 393678 VOLVO A30G 752850 - HYDRAULIC SYSTEM



Sample No: VCP394033
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 393678



SAMPLE INFORMATION

Sample Number	VCP394033	VCP394833	---	---
Sample Date	06 Feb 2024	06 Oct 2023	---	---
Machine Hours	17773	4419	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

STRONGCO EQUIPMENT (CE)

1051 Heritage Rd.
Burlington, ON
CA L7L 4Y1
Contact: C. Carter
ccarter@strongco.com
T:
F: (905)643-6077

OIL CONDITION

Visc @ 40°C	cSt	■ 43.6	■ 43.4	---	---
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CONTAMINATION

Water	%	■ 0.013	NEG	---	---
Particles >4µm		■ 9917	18655	---	---
Particles >6µm		■ 3266	■ 4140	---	---
Particles >14µm		▲ 332	■ 87	---	---
ISO 4406:1999 (c)		20/19/16	21/19/14	---	---
Silicon	ppm	■ 2	■ 3	---	---
Sodium	ppm	■ 1	■ 2	---	---
Potassium	ppm	■ <1	■ 0	---	---

Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The water content is negligible. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

Iron	ppm	■ 6	■ 7	---	---
Copper	ppm	■ 2	■ 3	---	---
Lead	ppm	■ <1	■ 1	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ 1	■ 1	---	---
Chromium	ppm	■ 3	■ 2	---	---
Molybdenum	ppm	■ 0	■ 0	---	---
Nickel	ppm	■ <1	■ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ 0	■ 0	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	■ 71	■ 83	---	---
Magnesium	ppm	■ 2	■ 4	---	---
Zinc	ppm	■ 409	■ 420	---	---
Phosphorus	ppm	■ 338	■ 338	---	---
Barium	ppm	■ 0	■ <1	---	---
Boron	ppm	■ <1	■ <1	---	---

Depot: VOLV00252
Unique No: 5724146
Signed: Kevin Marson
Report Date: 15 Feb 2024

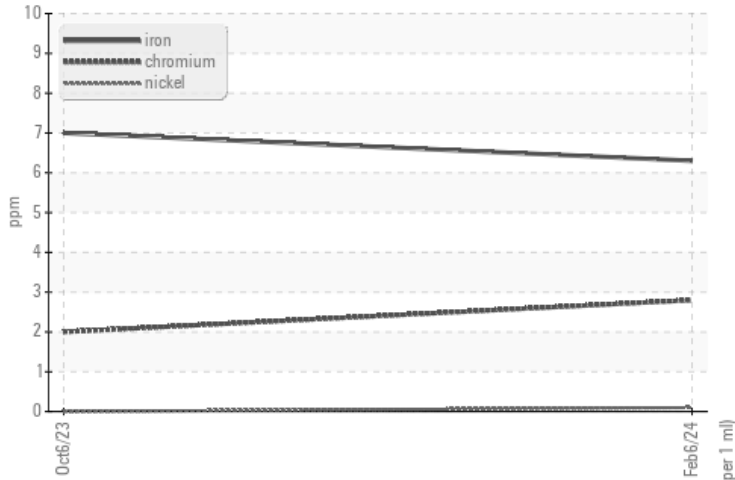


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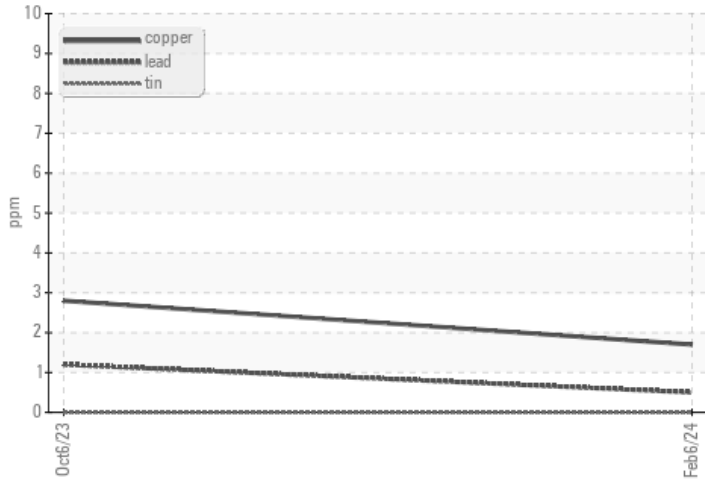


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

