



CONSTRUCTION EQUIPMENT

X59231 VOLVO A25G 752703 - HYDRAULIC SYSTEM



Sample No: VCP442709
Oil Type: {unknown}
Job No: X59231



SCOTT EQUIPMENT COMPANY LLC - Saint Rose
 PO BOX 997
 SAINT ROSE, LA
 US 70087
 Contact: DANA FOSHEE
 dfoshee@scottcompanies.com
 T: (504)461-0961
 F: (504)461-0970



SAMPLE INFORMATION

Sample Number	VCP442709	---	---	---
Sample Date	12 Feb 2024	---	---	---
Machine Hours	1976	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 43.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.767	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 5102	---	---	---
Particles >6µm		█ 1271	---	---	---
Particles >14µm		█ 72	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	80	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	415	---	---	---
Phosphorus	ppm	301	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is ISO 46 AW Hydraulic Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: SCOSAI
Unique No: 10885128
Signed: Wes Davis
Report Date: 20 Feb 2024

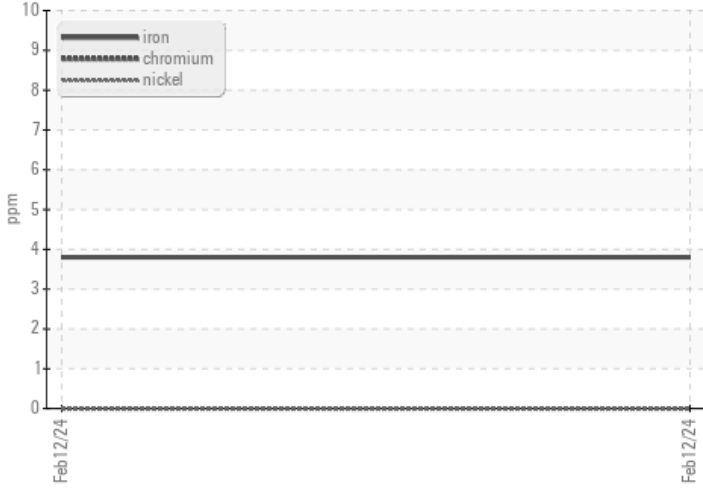


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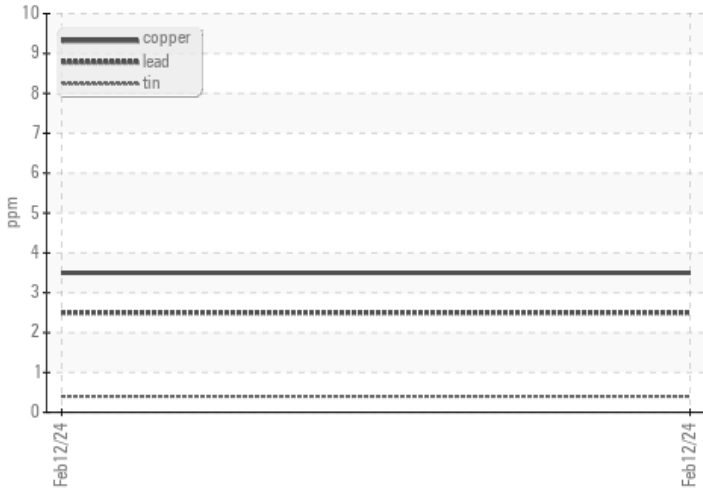


GRAPHS

Ferrous Alloys



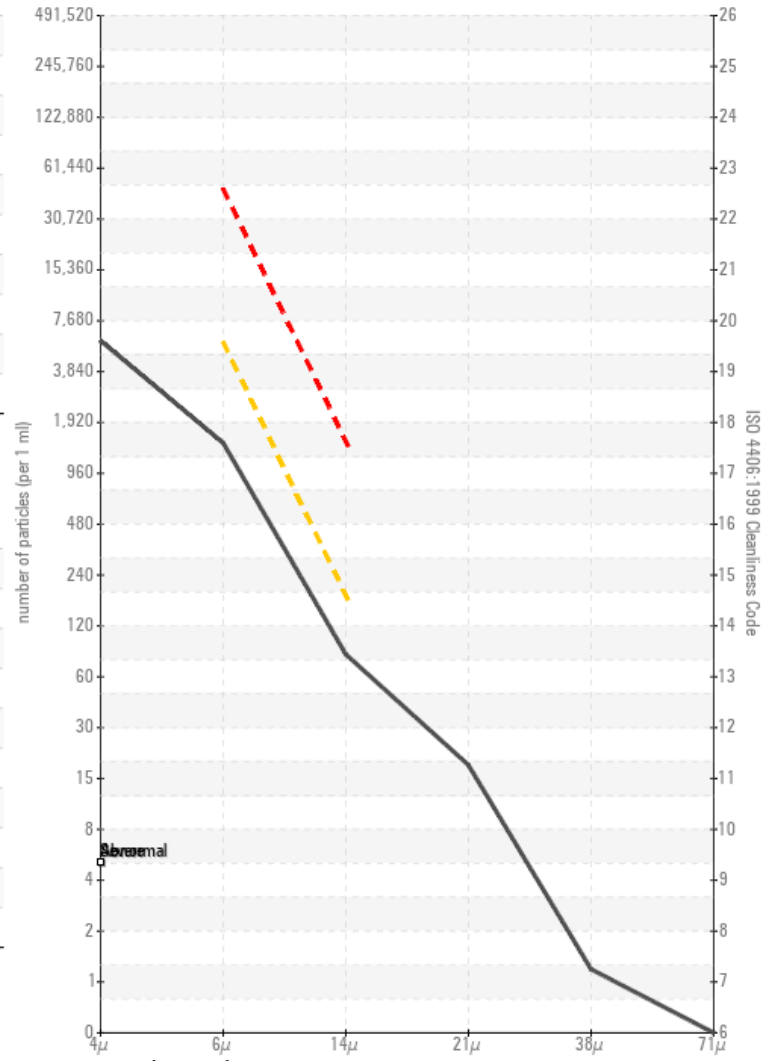
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

