



CONSTRUCTION EQUIPMENT

634759 RUBYS VOLVO EC220 314072 - HYDRAULIC SYSTEM



Sample No: VCP435394
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 634759 RUBYS



ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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 F: (248)356-2029

SAMPLE INFORMATION

Sample Number	VCP435394	---	---	---
Sample Date	06 Dec 2023	---	---	---
Machine Hours	3106	---	---	---
Oil Hours	1106	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 40.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.53	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 9902	---	---	---
Particles >6µm		█ 1985	---	---	---
Particles >14µm		█ 103	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 45	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 65	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 425	---	---	---
Phosphorus	ppm	█ 349	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. 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: VOLVO2990
Unique No: 10794450
Signed: Wes Davis
Report Date: 20 Dec 2023

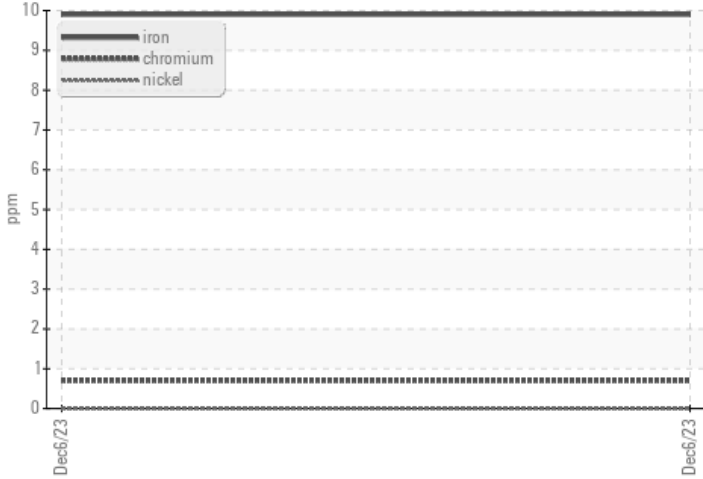


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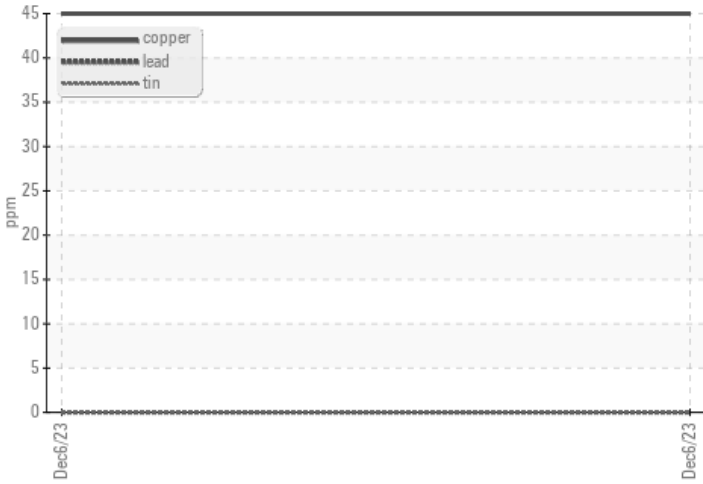


VOLVO GRAPHS

Ferrous Alloys



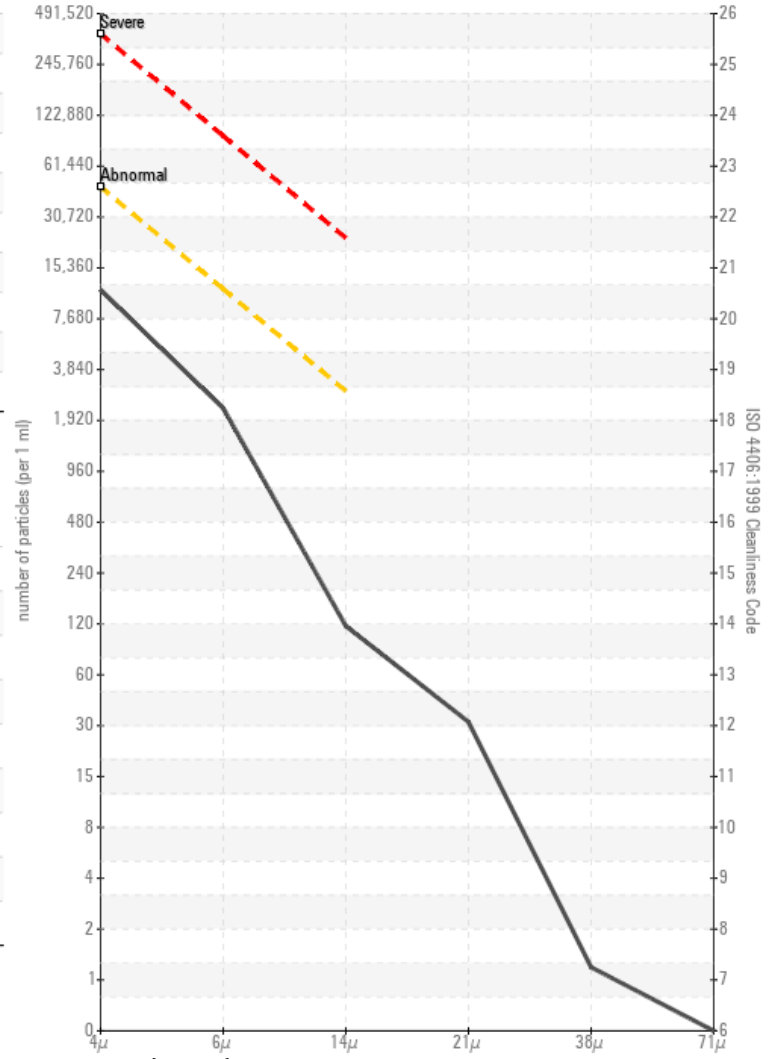
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

