



CONSTRUCTION EQUIPMENT

VOLVO L70H 623743 - HYDRAULIC SYSTEM



Sample No: VCP382526
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP382526	---	---	---
Sample Date	15 Dec 2022	---	---	---
Machine Hours	4576	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

ARNOLD MACHINERY COMPANY
 464 WASHINGTON STREET S
 TWIN FALLS, ID
 US 83301
 Contact: JANA E HYMAS
 jhymas@arnoldmachinery.com
 T: (208)733-1715
 F: (775)356-7152



OIL CONDITION

Visc @ 40°C	cSt	█ 42.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.37	---	---	---



CONTAMINATION

Particles >4µm		█ 1081	---	---	---
Particles >6µm		█ 141	---	---	---
Particles >14µm		█ 15	---	---	---
ISO 4406:1999 (c)		17/14/11	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

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.



WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 7	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 514	---	---	---
Magnesium	ppm	46	---	---	---
Zinc	ppm	█ 491	---	---	---
Phosphorus	ppm	█ 408	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 15	---	---	---

Depot: VOLVO1835
Unique No: 10272648
Signed: Wes Davis
Report Date: 03 Jan 2023

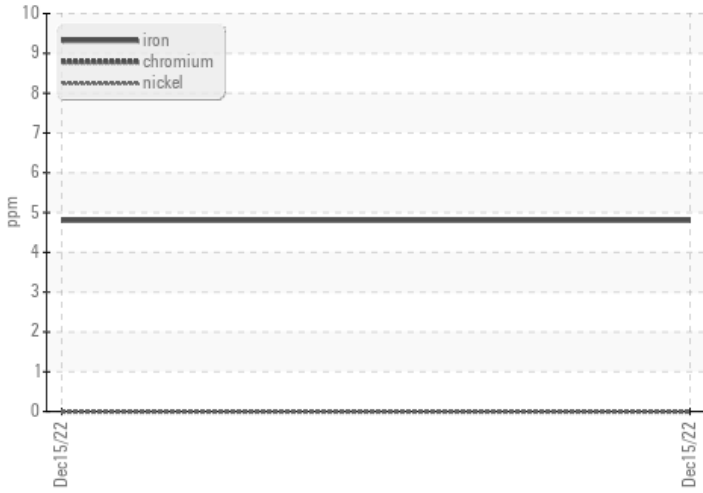


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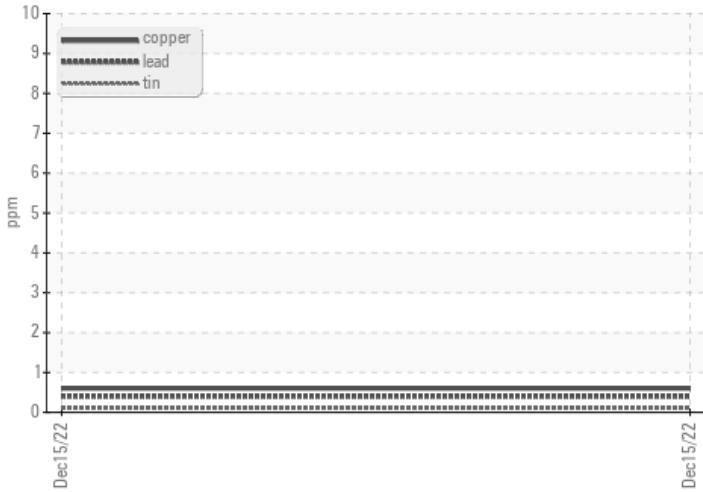


GRAPHS

Ferrous Alloys



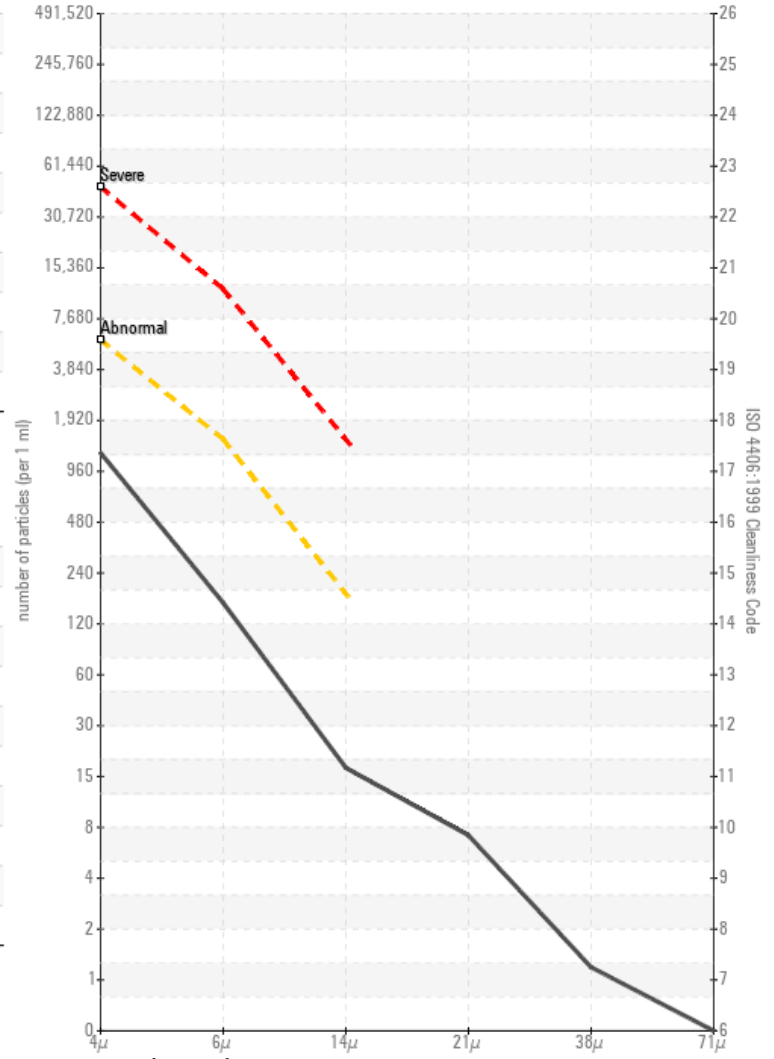
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

