



CONSTRUCTION EQUIPMENT

VOLVO L90H 623696 - HYDRAULIC SYSTEM



Sample No: VCP418624

Oil Type: CHEVRON HYDRAULIC OIL AW ISO 46

Job No:



SAMPLE INFORMATION

Sample Number	VCP418624	---	---	---
Sample Date	30 Aug 2023	---	---	---
Machine Hours	14692	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 1150 WEST OLD SETTLERS BOULEVARD
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OIL CONDITION

Visc @ 40°C	cSt	█ 43.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	---	---	---



CONTAMINATION

Particles >4µm		█ 1445	---	---	---
Particles >6µm		█ 375	---	---	---
Particles >14µm		█ 14	---	---	---
ISO 4406:1999 (c)		18/16/11	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 38	---	---	---
Potassium	ppm	█ 90	---	---	---

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



ADDITIVES

Calcium	ppm	█ 0	---	---	---
Magnesium	ppm	█ 17	---	---	---
Zinc	ppm	█ 28	---	---	---
Phosphorus	ppm	█ 179	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 3	---	---	---

Depot: VOLVO0088
Unique No: 10659795
Signed: Wes Davis
Report Date: 25 Sep 2023

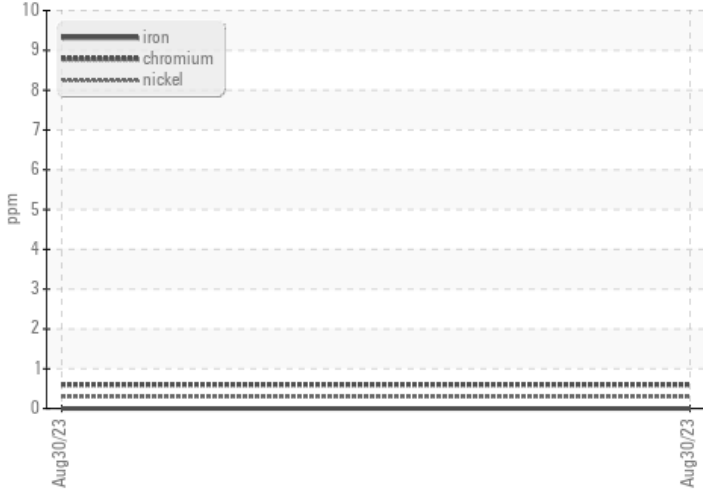


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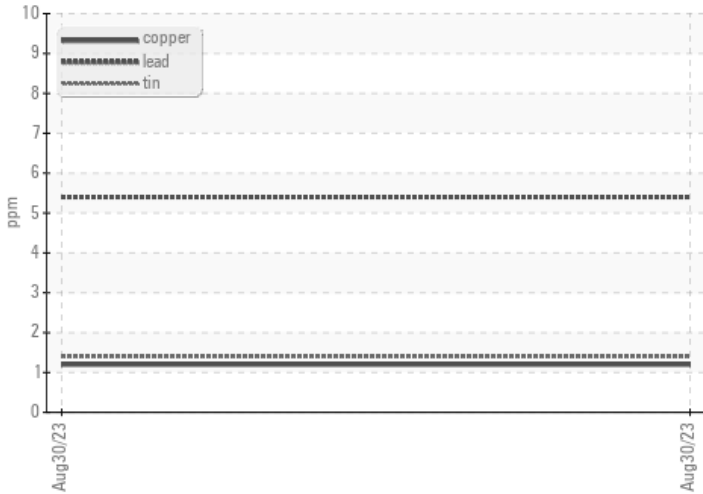


GRAPHS

Ferrous Alloys



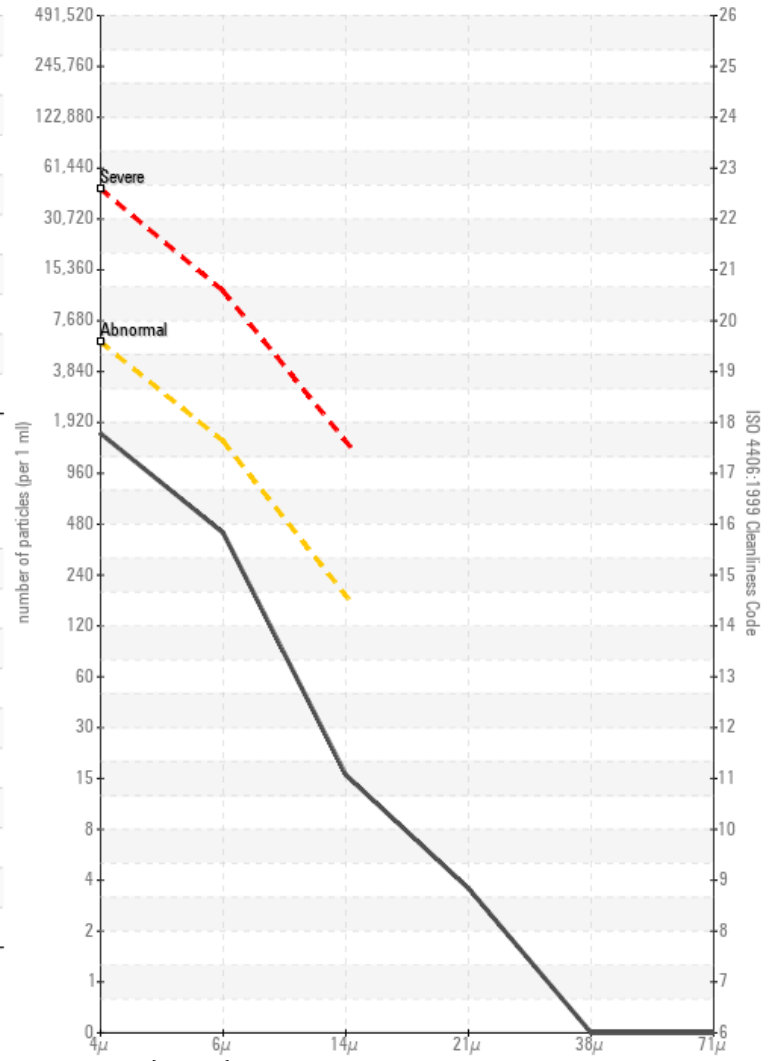
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

