



CONSTRUCTION EQUIPMENT

SW1018791 SELLER VOLVO L150H 6865 - HYDRAULIC SYSTEM



Sample No: VCP425629
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SW1018791 SELLER



SAMPLE INFORMATION

Sample Number	VCP425629	VCP339143	---	---
Sample Date	12 May 2023	05 Nov 2021	---	---
Machine Hours	4457	2236	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE
 PHOENIX, AZ
 US 85040

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T:
 F: (602)414-1904



OIL CONDITION

Visc @ 40°C	cSt	█ 46.3	█ 44.6	---	---
Acid Number (AN)	mg KOH/g	█ 0.52	█ 0.334	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 9034	---	---	---
Particles >6µm		▲ 2427	---	---	---
Particles >14µm		█ 124	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	█ 3	█ 1	---	---
Sodium	ppm	█ 2	█ 0	---	---
Potassium	ppm	█ 0	█ 0	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 3	█ 3	---	---
Copper	ppm	█ 4	█ 5	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 2	█ 0	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 9	█ <1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	█ 0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 416	█ 233	---	---
Magnesium	ppm	█ 6	█ 3	---	---
Zinc	ppm	█ 530	█ 467	---	---
Phosphorus	ppm	█ 457	█ 342	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 10	█ 0	---	---

Depot: VOLVO6174
Unique No: 10473686
Signed: Jonathan Hester
Report Date: 19 May 2023

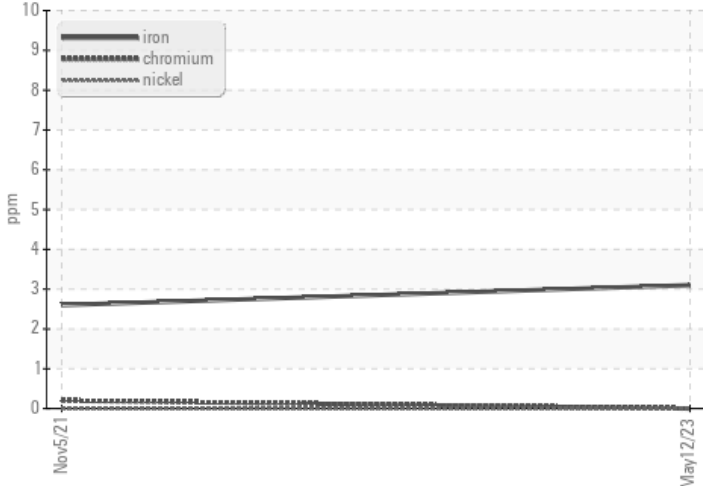


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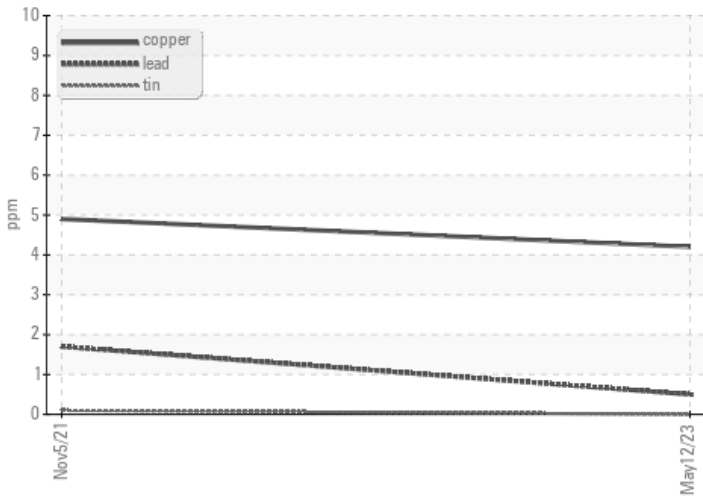


GRAPHS

Ferrous Alloys



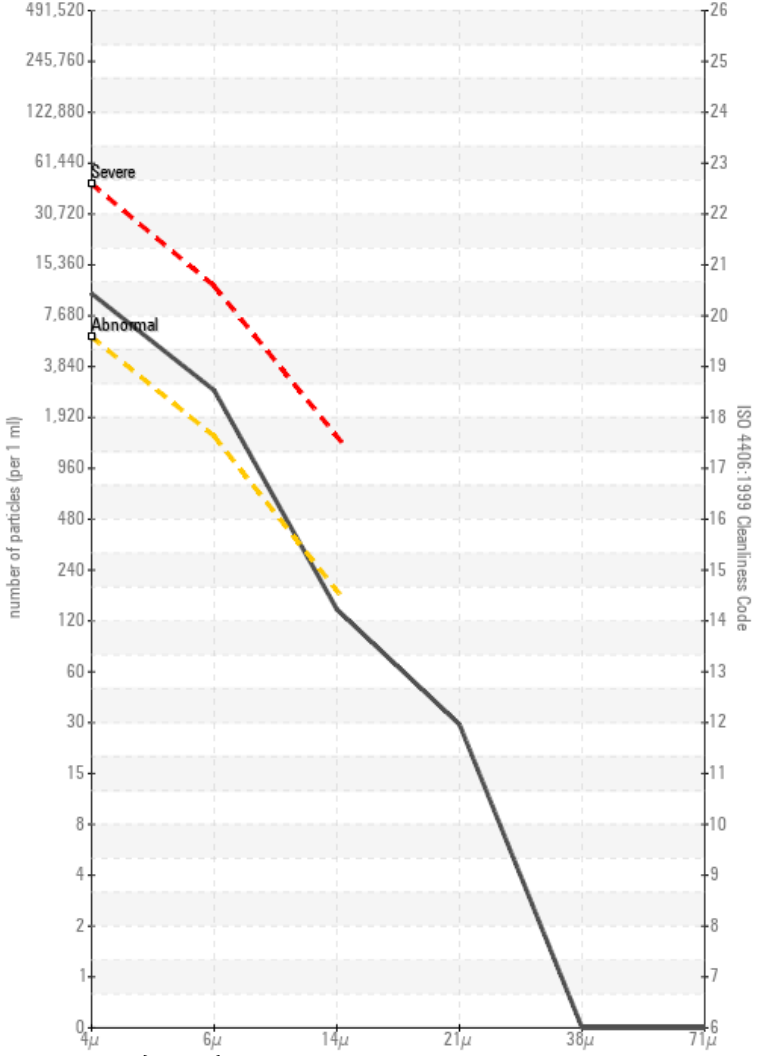
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

