



CONSTRUCTION EQUIPMENT

13078 IAA VOLVO L90H 623078 - HYDRAULIC SYSTEM



Sample No: VCP409375
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 13078 IAA



SAMPLE INFORMATION

Sample Number	VCP409375	VCP296906	VCP252617	---
Sample Date	16 Aug 2023	18 Dec 2020	22 Jul 2019	---
Machine Hours	12335	9914	8020	---
Oil Hours	4000	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	46.7	44.1	40.6	---
Acid Number (AN)	mg KOH/g	0.29	0.245	0.130	---



CONTAMINATION

Particles >4µm		237	1065	3207	---
Particles >6µm		94	232	867	---
Particles >14µm		19	31	90	---
ISO 4406:1999 (c)		15/14/11	17/15/12	19/17/14	---
Silicon	ppm	4	4	9	---
Sodium	ppm	4	2	3	---
Potassium	ppm	0	0	<1	---

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	4	4	7	---
Copper	ppm	2	2	4	---
Lead	ppm	1	<1	1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	1	2	---
Chromium	ppm	1	1	1	---
Molybdenum	ppm	5	<1	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	125	100	76	---
Magnesium	ppm	39	34	1	---
Zinc	ppm	466	422	439	---
Phosphorus	ppm	357	324	344	---
Barium	ppm	0	0	0	---
Boron	ppm	7	3	<1	---

Depot: IAAASH
Unique No: 10615554
Signed: Wes Davis
Report Date: 22 Aug 2023

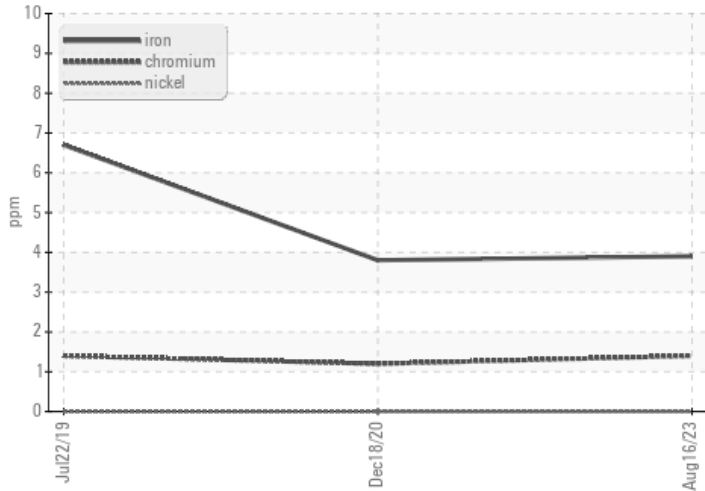


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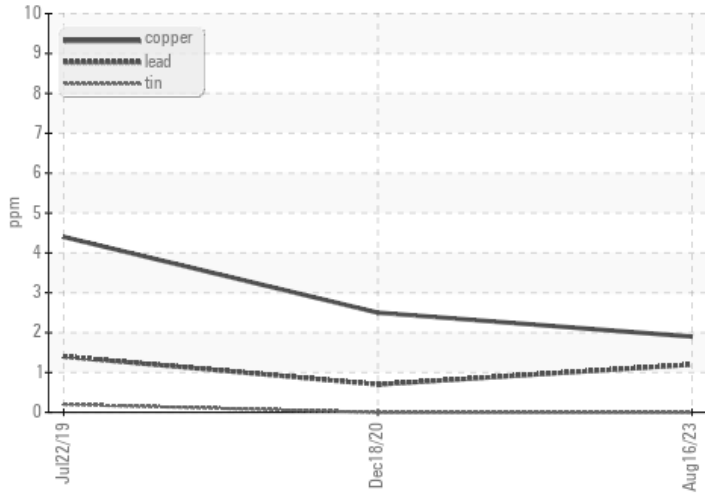


VOLVO GRAPHS

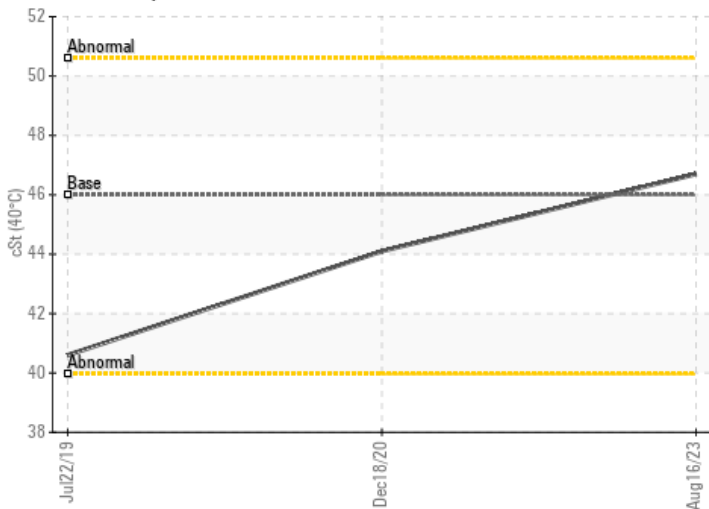
Ferrous Alloys



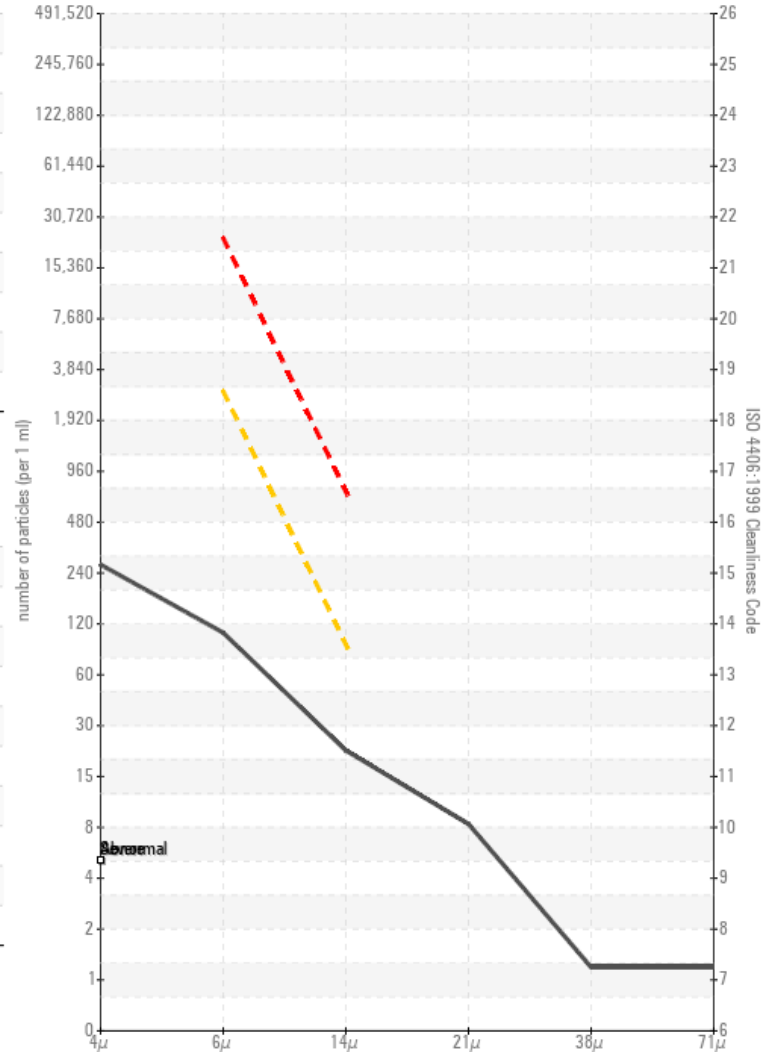
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

