



CONSTRUCTION EQUIPMENT

VOLVO L70H L70H 623345 - HYDRAULIC SYSTEM



Sample No: VCP0007505
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007505	VCP0007627	---	---
Sample Date	11 Aug 2023	06 Jun 2023	---	---
Machine Hours	1391	0	---	---
Oil Hours	1391	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	ATTENTION	---	---

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OIL CONDITION

Visc @ 40°C	cSt	46.6	45.0	---	---
Acid Number (AN)	mg KOH/g	0.46	0.35	---	---



CONTAMINATION

Particles >4µm		1937	7485	---	---
Particles >6µm		517	1682	---	---
Particles >14µm		42	88	---	---
ISO 4406:1999 (c)		18/16/13	20/18/14	---	---
Silicon	ppm	1	2	---	---
Sodium	ppm	0	<1	---	---
Potassium	ppm	<1	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.



WEAR METALS

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



ADDITIVES

Calcium	ppm	70	87	---	---
Magnesium	ppm	<1	10	---	---
Zinc	ppm	445	433	---	---
Phosphorus	ppm	331	317	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0092
Unique No: 10605988
Signed: Wes Davis
Report Date: 17 Aug 2023

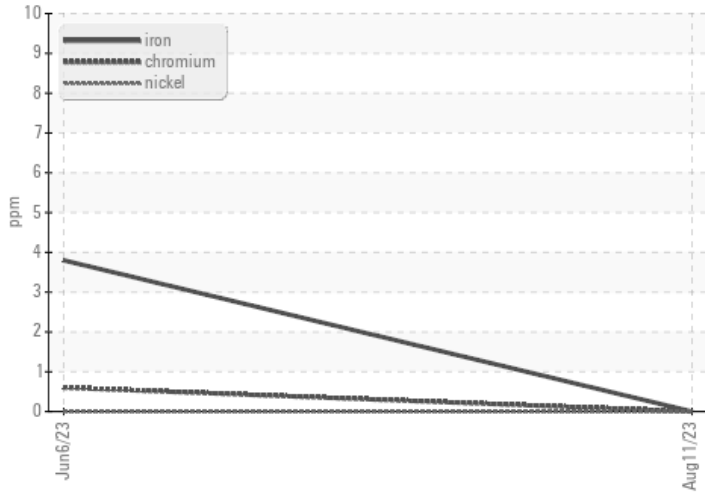


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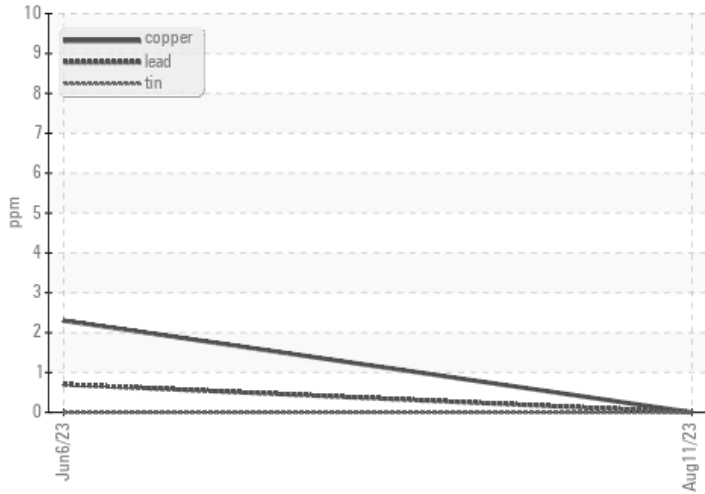


GRAPHS

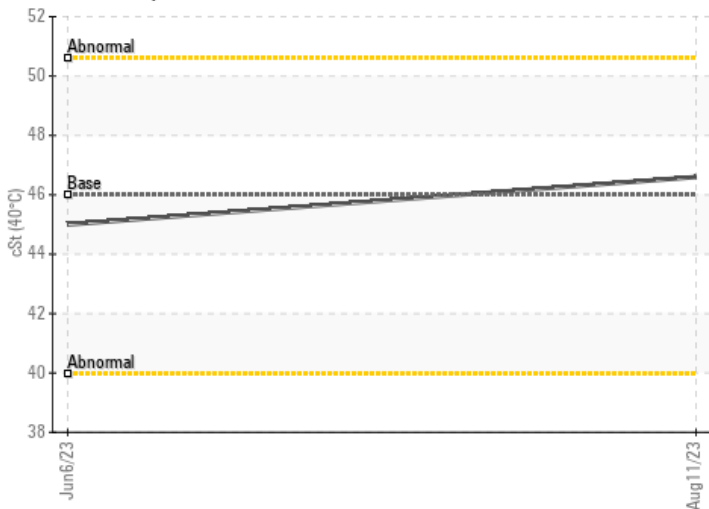
Ferrous Alloys



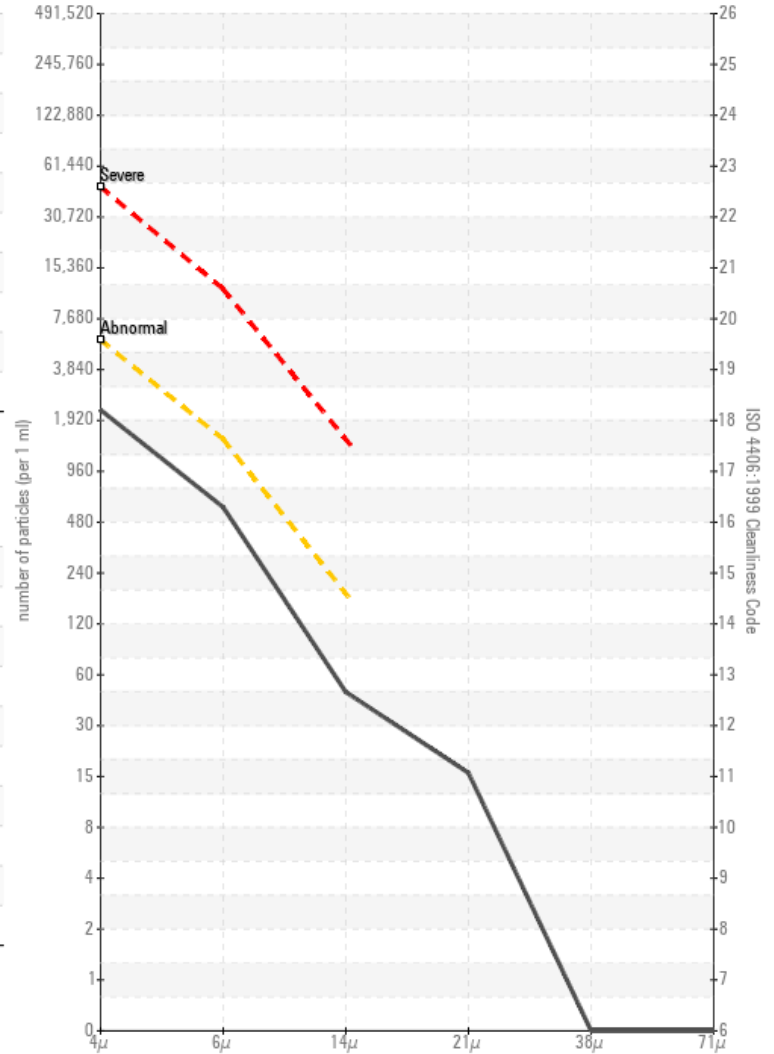
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

