



CONSTRUCTION EQUIPMENT

19472 VOLVO L90H 626410 - HYDRAULIC SYSTEM



Sample No: VCP426643
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19472



SAMPLE INFORMATION

Sample Number	VCP426643	VCP411462	---	---
Sample Date	14 Aug 2023	27 Feb 2023	---	---
Machine Hours	1757	961	---	---
Oil Hours	1757	961	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

IAA - INSURANCE AUTO AUCTIONS - CLAYTON
 60 SADISCO RD
 CLAYTON, NC
 US 27520
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	45.1	50.5	---	---
Acid Number (AN)	mg KOH/g	0.36	0.39	---	---

T:
F:



CONTAMINATION

Particles >4µm		1610	3069	---	---
Particles >6µm		392	858	---	---
Particles >14µm		23	50	---	---
ISO 4406:1999 (c)		18/16/12	19/17/13	---	---
Silicon	ppm	4	3	---	---
Sodium	ppm	1	<1	---	---
Potassium	ppm	0	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	4	2	---	---
Copper	ppm	2	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	64	65	---	---
Magnesium	ppm	3	2	---	---
Zinc	ppm	456	399	---	---
Phosphorus	ppm	350	304	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: INSCLA
Unique No: 10616746
Signed: Wes Davis
Report Date: 23 Aug 2023

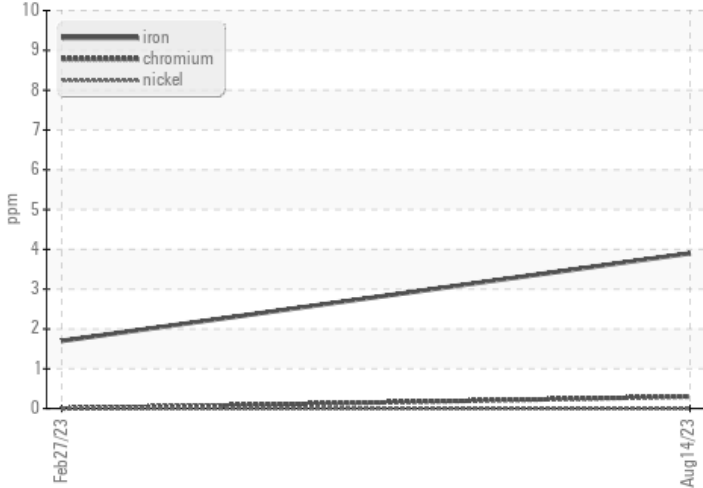


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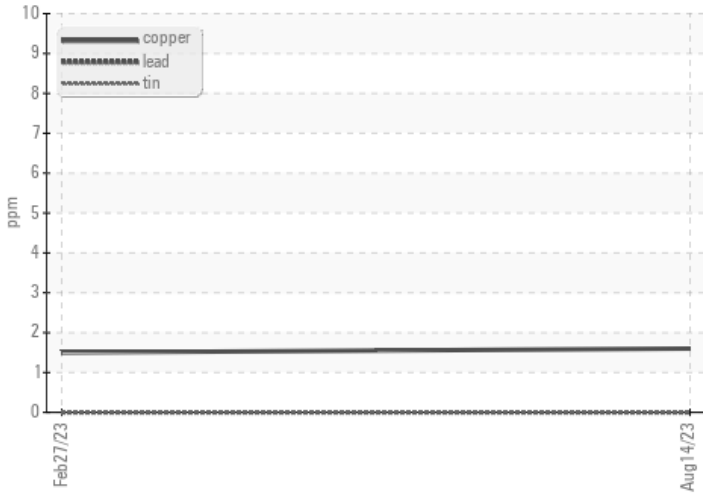


VOLVO GRAPHS

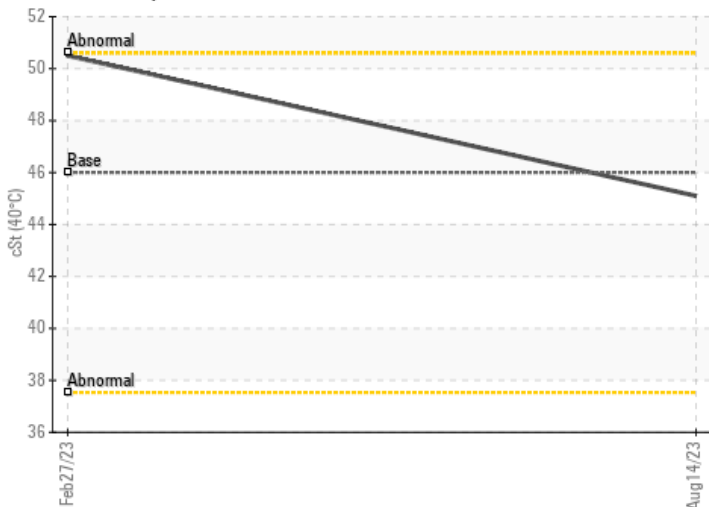
Ferrous Alloys



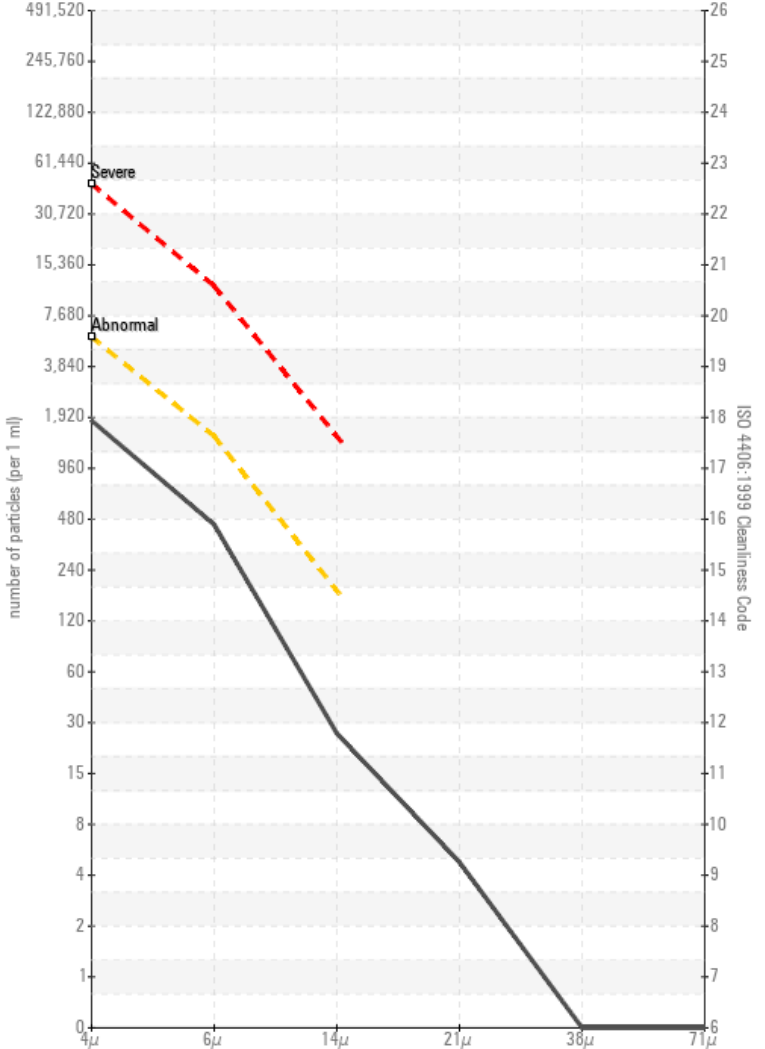
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

