



CONSTRUCTION EQUIPMENT

373996 VOLVO L90H 623168 - HYDRAULIC SYSTEM



Sample No: VCP353091
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 373996



SAMPLE INFORMATION

Sample Number	VCP353091	VCP394588	VCP332702	---
Sample Date	23 Aug 2023	28 Jul 2023	20 May 2022	---
Machine Hours	6937	0	4834	---
Oil Hours	0	0	4000	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	ATTENTION	SEVERE	ABNORMAL	---

STRONGCO EQUIP (AB)

6 - 38403 BURNT LAKE TRAIL
 RED DEER COUNTY, AB
 CA T4S 2L4
 Contact: Perry Doyle
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 T: (403)346-3473
 F: (403)346-3487



OIL CONDITION

Visc @ 40°C	cSt	40.0	39.9	59.4	---
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CONTAMINATION

Particles >4µm		6760	27456	3776	---
Particles >6µm		801	10241	682	---
Particles >14µm		63	1114	49	---
ISO 4406:1999 (c)		20/17/13	22/21/17	19/17/13	---
Silicon	ppm	8	9	16	---
Sodium	ppm	4	4	7	---
Potassium	ppm	<1	<1	2	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. 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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	1238	1243	2398	---
Magnesium	ppm	5	6	9	---
Zinc	ppm	762	777	1071	---
Phosphorus	ppm	638	658	928	---
Barium	ppm	0	0	0	---
Boron	ppm	34	34	73	---

Depot: VOLVO9652
Unique No: 5631566
Signed: Kevin Marson
Report Date: 28 Aug 2023

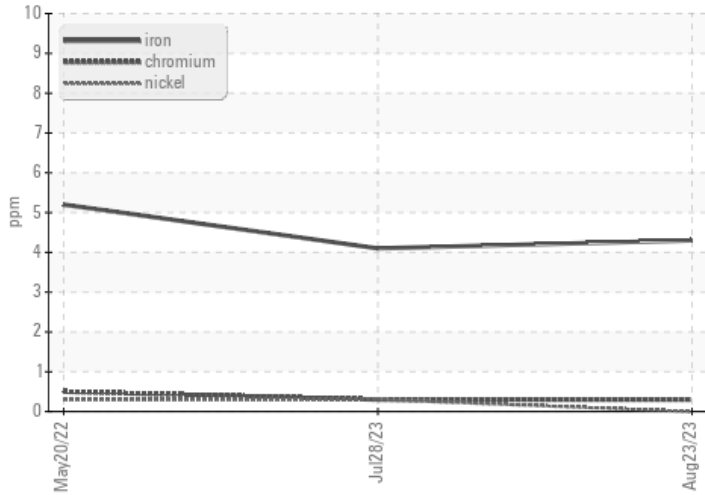


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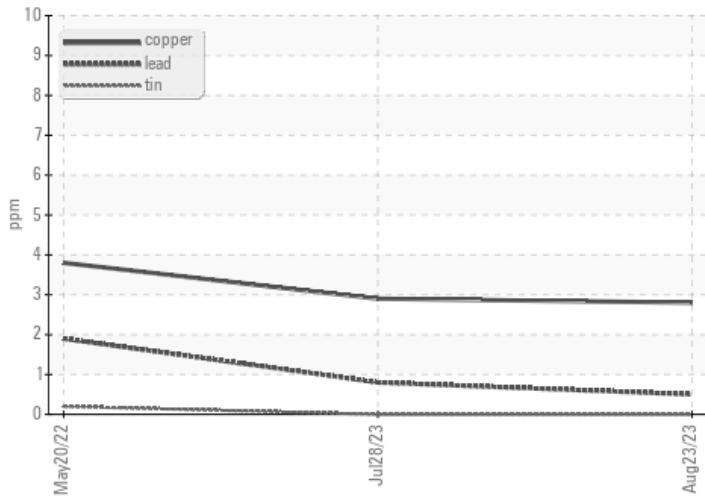


GRAPHS

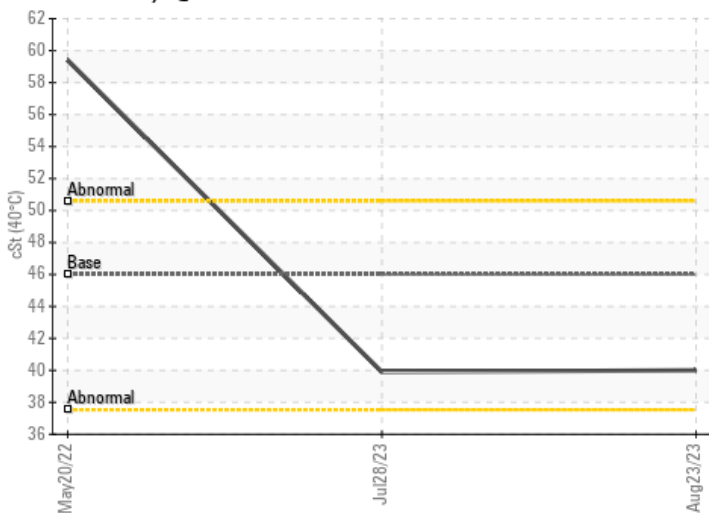
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

