



CONSTRUCTION EQUIPMENT

IMPACT AUTO 384876 VOLVO L90G 617649 - HYDRAULIC SYSTEM



Sample No: VCP394046
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 384876



SAMPLE INFORMATION

Sample Number	VCP394046	VCP347049	---	---
Sample Date	07 Dec 2023	21 Mar 2022	---	---
Machine Hours	14115	12025	---	---
Oil Hours	2000	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

STRONGCO EQUIPMENT-EDMONTON

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 Acheson, AB
 CA T7X 6C2

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OIL CONDITION

Visc @ 40°C	cSt	43.2	40.5	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		1272	2112	---	---
Particles >6µm		326	527	---	---
Particles >14µm		10	55	---	---
ISO 4406:1999 (c)		17/16/10	18/16/13	---	---
Silicon	ppm	4	11	---	---
Sodium	ppm	1	3	---	---
Potassium	ppm	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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	3	11	---	---
Copper	ppm	1	4	---	---
Lead	ppm	<1	2	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	74	185	---	---
Magnesium	ppm	0	2	---	---
Zinc	ppm	430	466	---	---
Phosphorus	ppm	326	375	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	1	4	---	---

Depot: VOLVO3908
Unique No: 5694981
Signed: Kevin Marson
Report Date: 11 Dec 2023

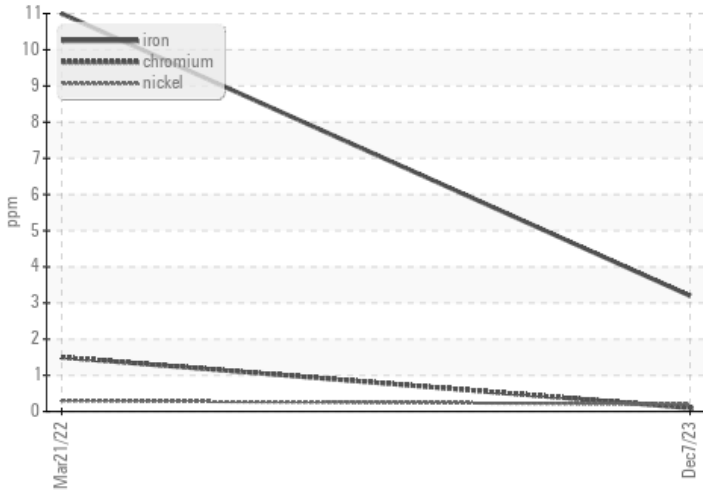


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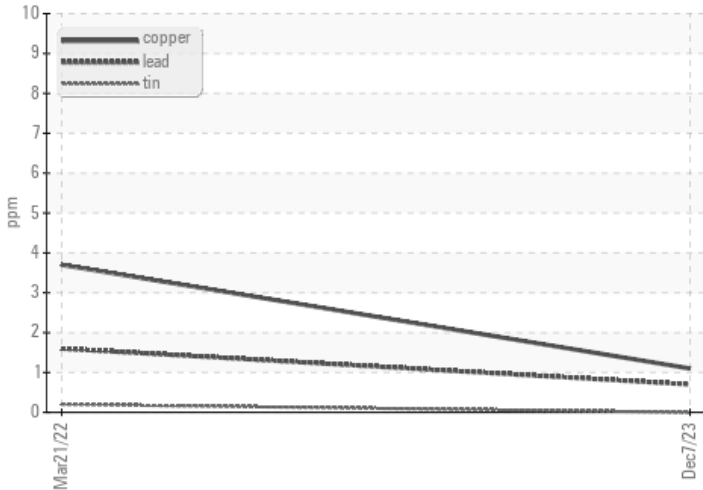


GRAPHS

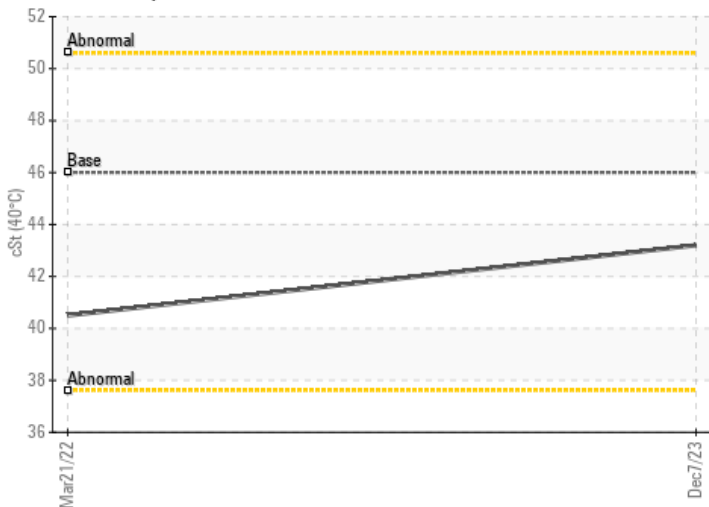
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

