



CONSTRUCTION EQUIPMENT

IMPACT AUTO 390778 VOLVO L90H 623638 - HYDRAULIC SYSTEM



Sample No: VCP394159
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 390778



SAMPLE INFORMATION

Sample Number	VCP394159	VCP352892	VCP240876	---
Sample Date	10 Jan 2024	17 Jan 2023	07 Oct 2019	---
Machine Hours	9661	8160	4037	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	ATTENTION	ABNORMAL	SEVERE	---

STRONGCO EQUIPMENT-EDMONTON

25616 117 Ave NW
 Acheson, AB
 CA T7X 6C2

Contact: Jonathan Morton
 jmorton@strongco.com
 T: (780)464-1909
 F: (780)464-0434



OIL CONDITION

Visc @ 40°C	cSt	43.2	43.4	42.3	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		14511	▲ 16983	73956	---
Particles >6µm		▲ 2675	▲ 3795	● 26497	---
Particles >14µm		■ 72	■ 141	● 1978	---
ISO 4406:1999 (c)		21/19/13	21/19/14	23/22/18	---
Silicon	ppm	■ 2	■ 2	■ 4	---
Sodium	ppm	■ <1	■ <1	■ <1	---
Potassium	ppm	■ <1	■ <1	■ <1	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 2	■ 2	■ 4	---
Copper	ppm	■ 2	■ 3	■ 6	---
Lead	ppm	■ <1	■ <1	■ 1	---
Tin	ppm	■ 0	■ 0	■ 0	---
Aluminum	ppm	■ <1	■ <1	■ <1	---
Chromium	ppm	■ <1	■ <1	■ 1	---
Molybdenum	ppm	■ 0	■ 0	■ 0	---
Nickel	ppm	■ <1	■ 0	■ 0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ 0	■ 0	■ 0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 62	■ 76	■ 57	---
Magnesium	ppm	■ <1	■ <1	■ 1	---
Zinc	ppm	■ 420	■ 429	■ 434	---
Phosphorus	ppm	■ 340	■ 368	■ 333	---
Barium	ppm	■ 1	■ 0	■ <1	---
Boron	ppm	■ <1	■ <1	■ <1	---

Depot: VOLVO3908
Unique No: 5711067
Signed: Wes Davis
Report Date: 22 Jan 2024

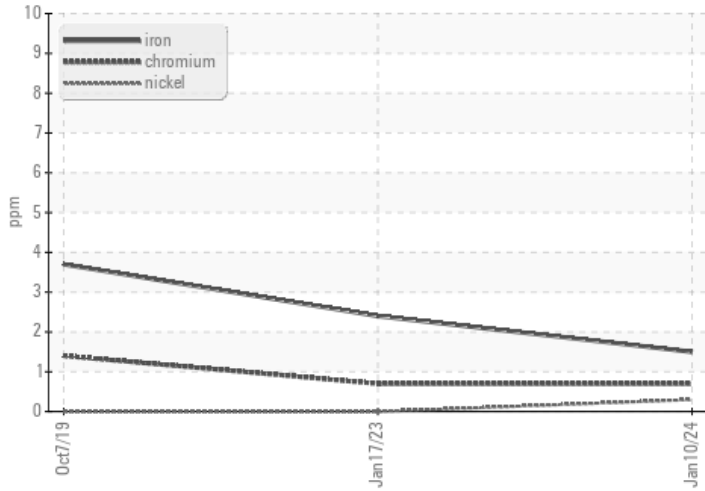


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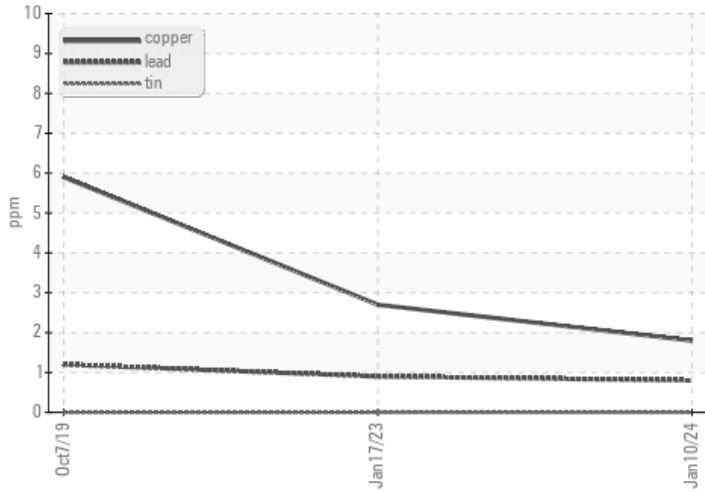


GRAPHS

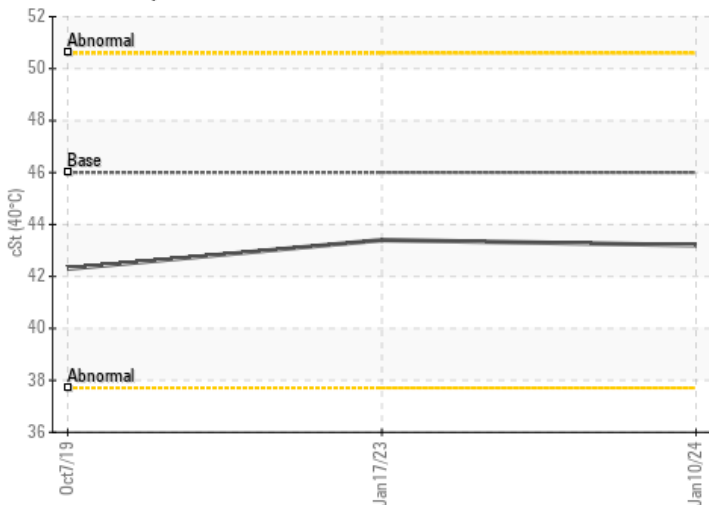
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

