



CONSTRUCTION EQUIPMENT

TOWN OF OAKVILLE 8000387798 VOLVO L80H 15727 - HYDRAULIC SYSTEM



Sample No: VCP392497
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 8000387798



SAMPLE INFORMATION

Sample Number	VCP392497	---	---	---
Sample Date	14 Dec 2023	---	---	---
Machine Hours	2544	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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CA L4W 4L4
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OIL CONDITION

Visc @ 40°C	cSt	█ 42.9	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 15305	---	---	---
Particles >6µm		▲ 1731	---	---	---
Particles >14µm		█ 58	---	---	---
ISO 4406:1999 (c)		21/18/13	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 10	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 57	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 414	---	---	---
Phosphorus	ppm	█ 327	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: SHEMIS
Unique No: 5696609
Signed: Wes Davis
Report Date: 18 Dec 2023

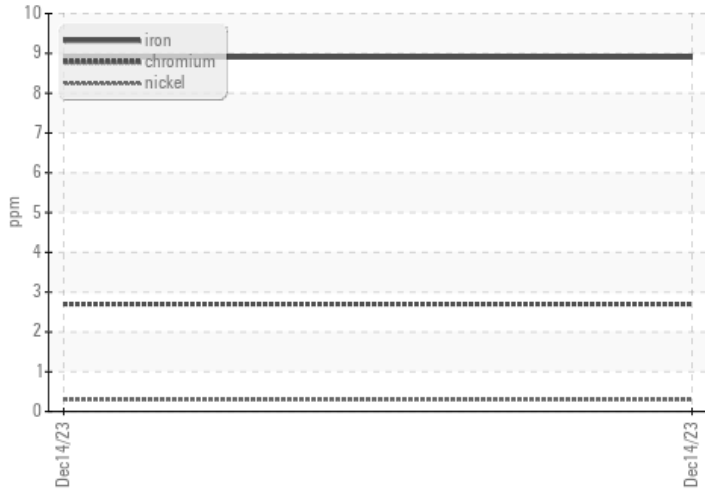


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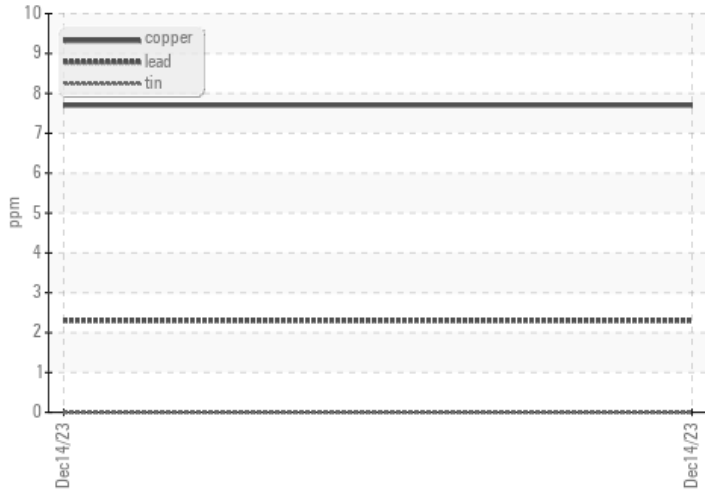


VOLVO GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

