



CONSTRUCTION EQUIPMENT

REGION OF PEEL 8-377621 VOLVO L70H 624447 - HYDRAULIC SYSTEM



Sample No: VCP429982
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 8-377621



SAMPLE INFORMATION

Sample Number	VCP429982	---	---	---
Sample Date	15 Sep 2023	---	---	---
Machine Hours	4080	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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1640 ENTERPRISE ROAD
MISSISSAUGA, ON
CA L4W 4L4
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OIL CONDITION

Visc @ 40°C	cSt	█ 41.0	---	---	---
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CONTAMINATION

Particles >4µm		▲ 9607	---	---	---
Particles >6µm		█ 999	---	---	---
Particles >14µm		█ 36	---	---	---
ISO 4406:1999 (c)		20/17/12	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 11	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.

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	█ 12	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	< 1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 95	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 417	---	---	---
Phosphorus	ppm	█ 339	---	---	---
Barium	ppm	█ < 1	---	---	---
Boron	ppm	█ 1	---	---	---

Depot: SHEMIS
Unique No: 5655872
Signed: Wes Davis
Report Date: 05 Oct 2023

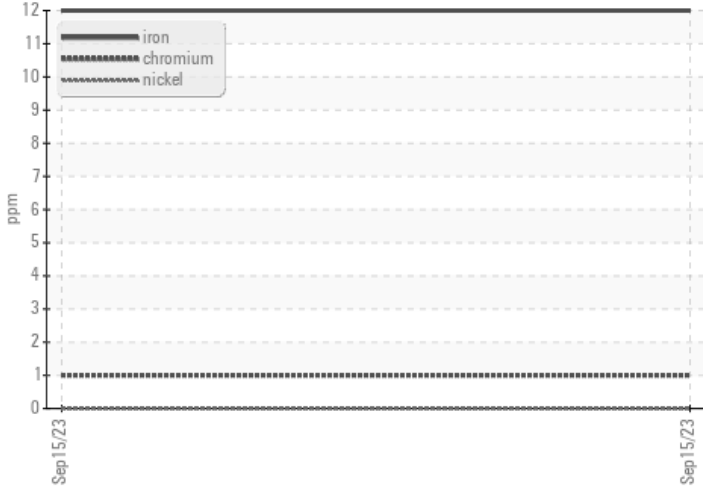


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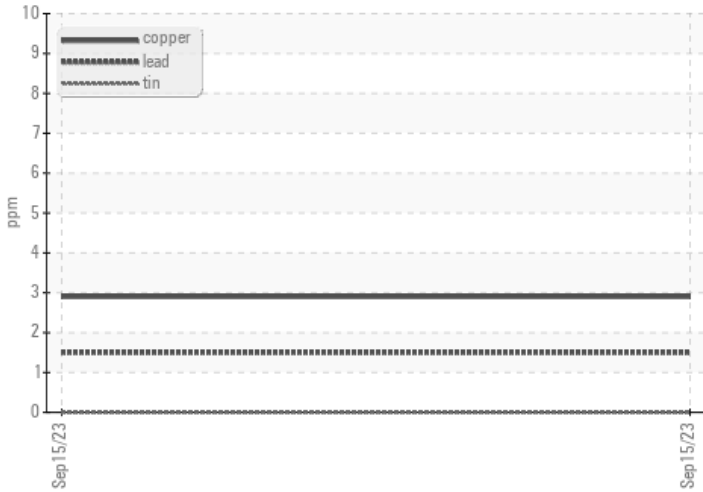


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

