



CONSTRUCTION EQUIPMENT

SW1020470 EWING IRRI VOLVO L50H 4322067 - HYDRAULIC SYSTEM



Sample No: VCP406947
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SW1020470 EWING IRRI



SAMPLE INFORMATION

Sample Number	VCP406947	---	---	---
Sample Date	30 Jun 2023	---	---	---
Machine Hours	6239	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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 PHOENIX, AZ
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	■ 37.5	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.32	---	---	---



CONTAMINATION

Particles >4µm		▲ 5658	---	---	---
Particles >6µm		▲ 1316	---	---	---
Particles >14µm		■ 79	---	---	---
ISO 4406:1999 (c)		20/18/13	---	---	---
Silicon	ppm	■ 14	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 3	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 14	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 7	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 64	---	---	---
Magnesium	ppm	■ 3	---	---	---
Zinc	ppm	■ 443	---	---	---
Phosphorus	ppm	■ 339	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO6174
Unique No: 10549389
Signed: Don Baldrige
Report Date: 11 Jul 2023

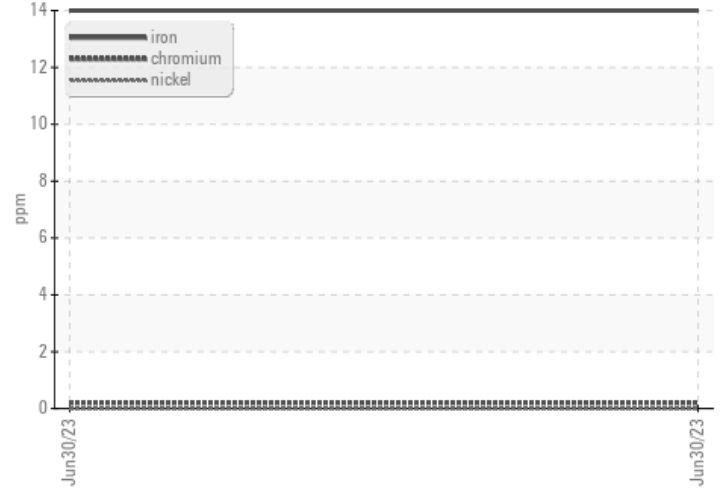


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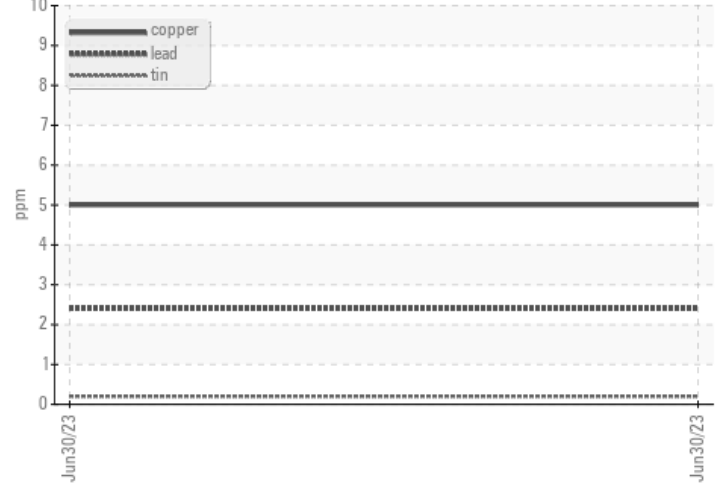


GRAPHS

Ferrous Alloys



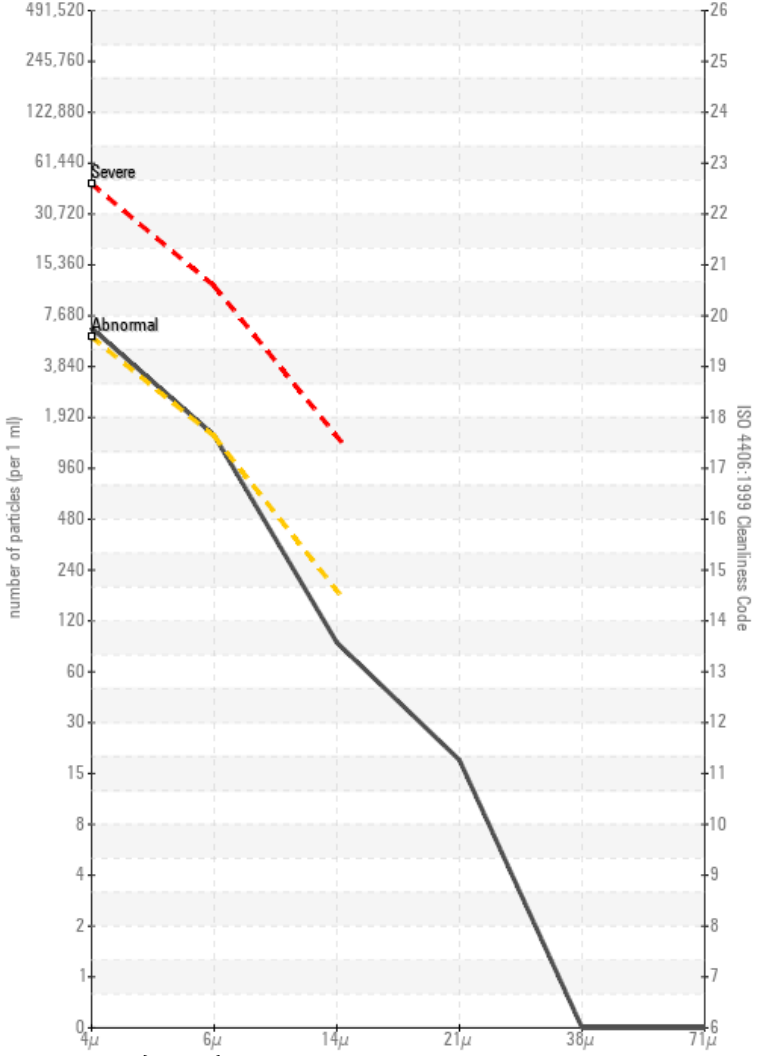
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

