



CONSTRUCTION EQUIPMENT

RANGO VOLVO A60H 340072 - HYDRAULIC SYSTEM



Sample No: VCP388307
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: RANGO



SAMPLE INFORMATION

Sample Number	VCP388307	---	---	---
Sample Date	01 May 2024	---	---	---
Machine Hours	8806	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 44.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.119	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 466	---	---	---
Particles >6µm		█ 45	---	---	---
Particles >14µm		█ 3	---	---	---
ISO 4406:1999 (c)		16/13/9	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 114	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 54	---	---	---
Phosphorus	ppm	█ 91	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO6174
Unique No: 11019876
Signed: Don Baldrige
Report Date: 14 May 2024

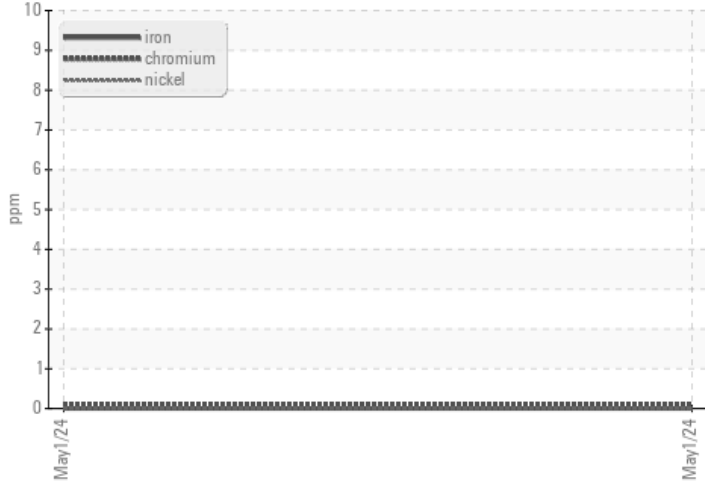


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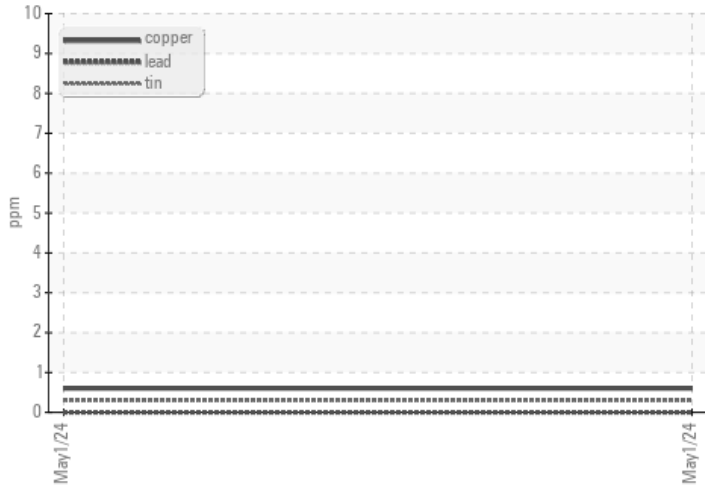


GRAPHS

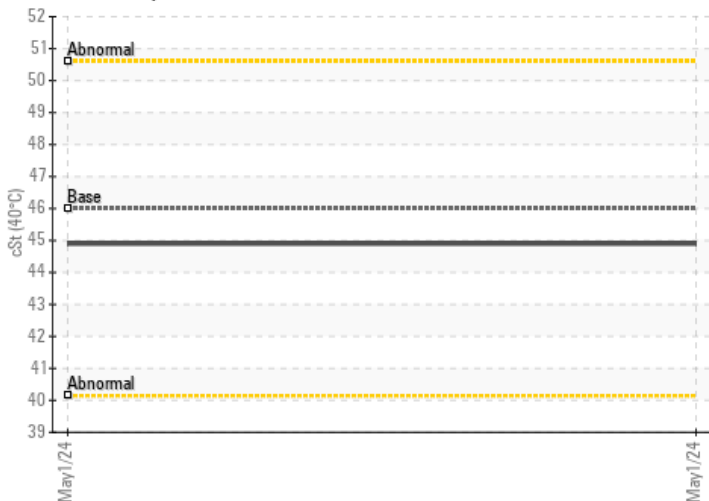
Ferrous Alloys



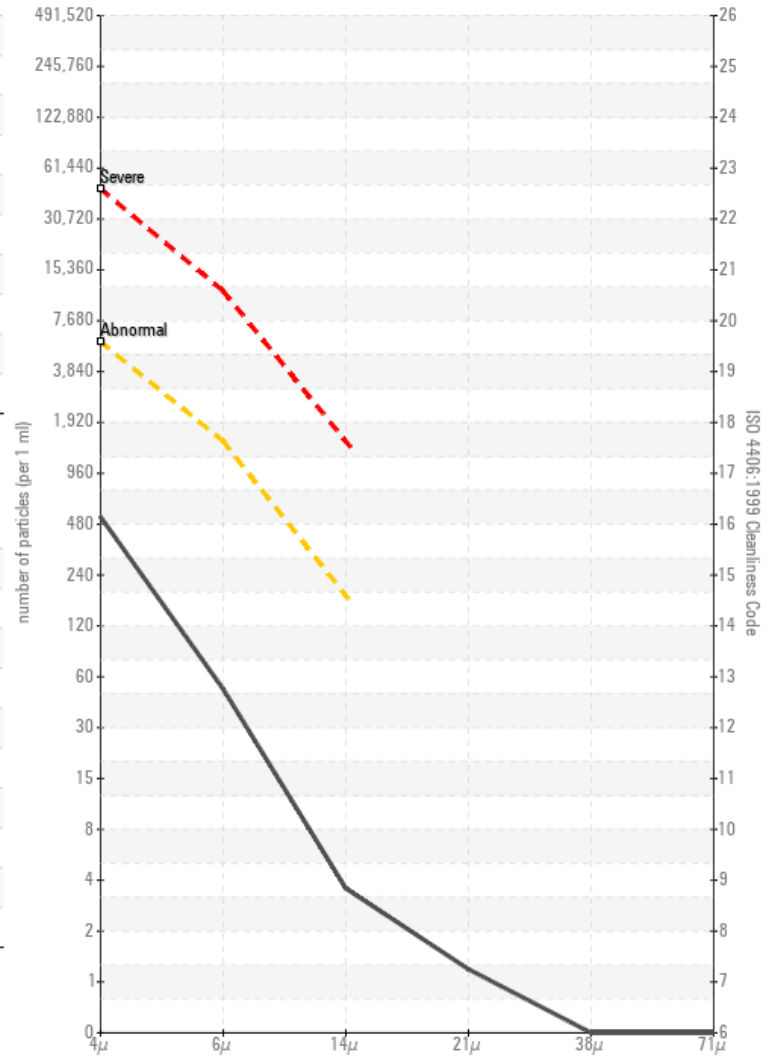
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

