



CONSTRUCTION EQUIPMENT

X49139 TADANO GR1000 RA1347 - HYDRAULIC SYSTEM



Sample No: VCP444513
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: X49139



SAMPLE INFORMATION

Sample Number	VCP444513	---	---	---
Sample Date	19 Jun 2024	---	---	---
Machine Hours	1272	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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 Contact: A CLARK
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 F: (318)433-6623



OIL CONDITION

Visc @ 40°C	cSt	█ 45.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 300	---	---	---
Particles >6µm		█ 88	---	---	---
Particles >14µm		█ 7	---	---	---
ISO 4406:1999 (c)		15/14/10	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

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. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. 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	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 51	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 450	---	---	---
Phosphorus	ppm	█ 351	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO6244
Unique No: 11096292
Signed: Wes Davis
Report Date: 25 Jun 2024

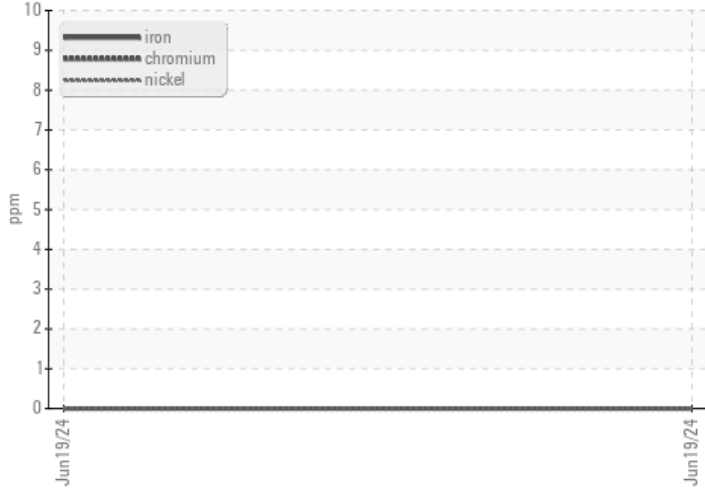


CONSTRUCTION EQUIPMENT

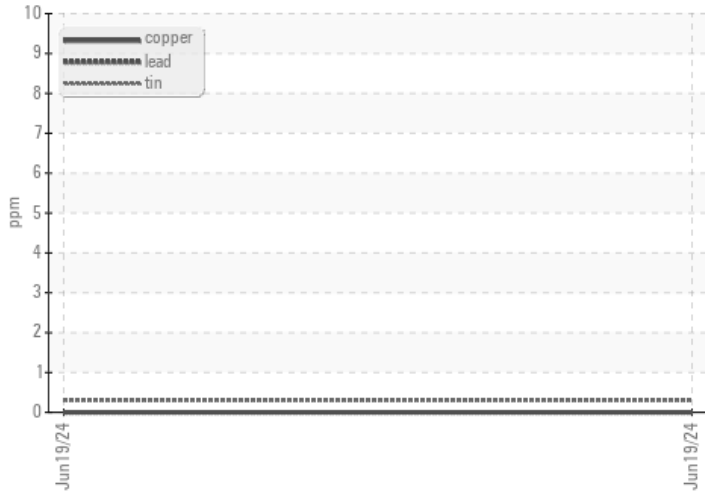


GRAPHS

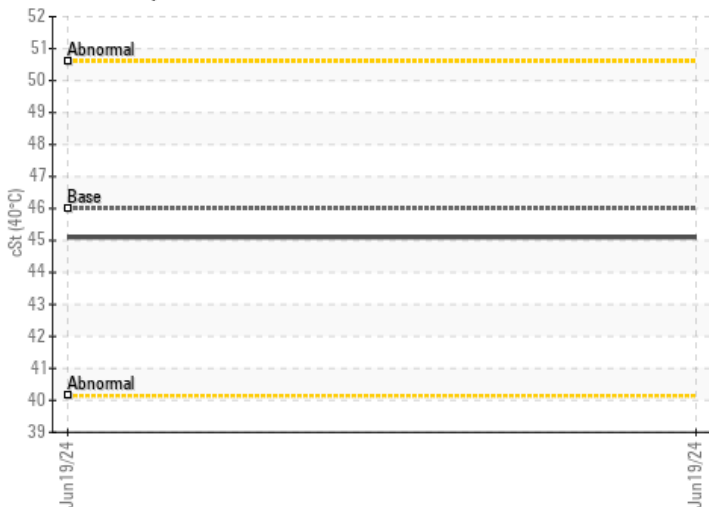
Ferrous Alloys



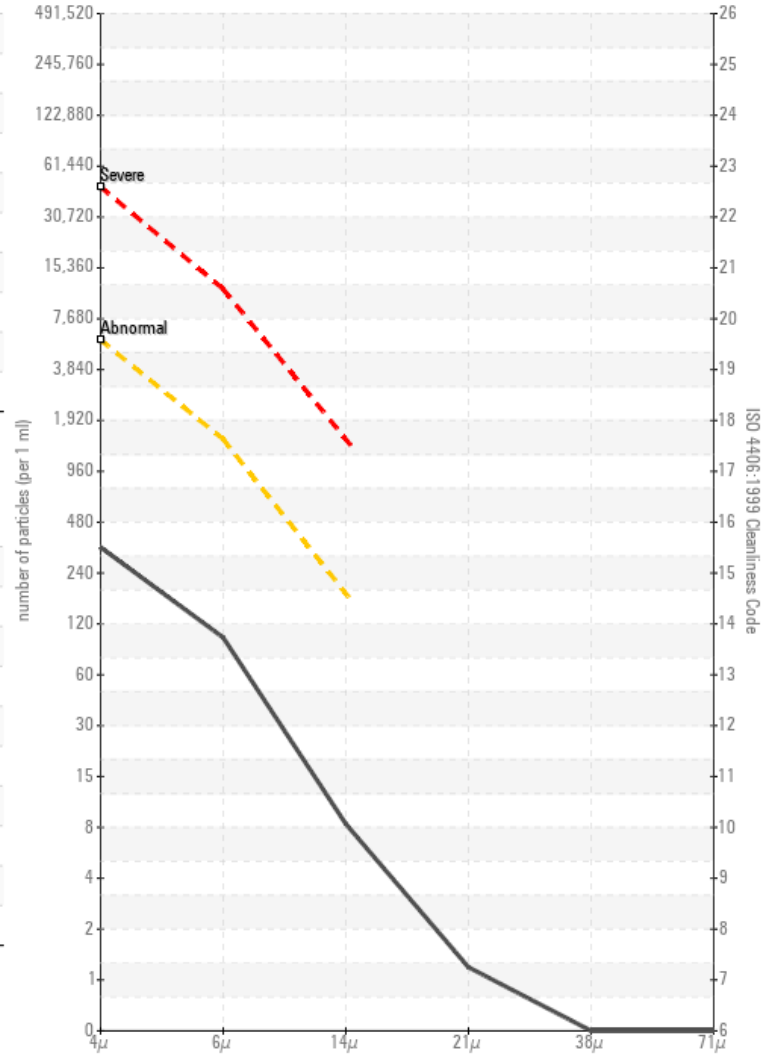
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

