



CONSTRUCTION EQUIPMENT

CITY OF LAKELAND VOLVO L60H 62236 - HYDRAULIC SYSTEM



Sample No: VCP440169
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: CITY OF LAKELAND



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
8418 PALM RIVER ROAD
TAMPA, FL
US 33619
Contact: KENNY HANEY
khaney@flaglerce.com
T: (813)630-0077
F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP440169	VCP385838	---	---
Sample Date	14 Jun 2024	27 Sep 2022	---	---
Machine Hours	3495	2311	---	---
Oil Hours	0	2311	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 42.2	■ 43.5	---	---
Acid Number (AN)	mg KOH/g	■ 0.32	■ 0.30	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		■ 3255	■ 26241	---	---
Particles >6µm		■ 893	● 3239	---	---
Particles >14µm		■ 52	▲ 301	---	---
ISO 4406:1999 (c)		19/17/13	22/19/15	---	---
Silicon	ppm	■ 6	■ 4	---	---
Sodium	ppm	■ 0	■ 2	---	---
Potassium	ppm	■ 2	■ <1	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	■ 83	■ 60	---	---
Magnesium	ppm	■ 7	■ 0	---	---
Zinc	ppm	■ 476	■ 445	---	---
Phosphorus	ppm	■ 391	■ 345	---	---
Barium	ppm	■ 1	■ 0	---	---
Boron	ppm	■ 0	■ 0	---	---

Diagnosis

Resample at the next service interval to monitor. 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.

Depot: VOLVO0093
Unique No: 11089655
Signed: Wes Davis
Report Date: 24 Jun 2024

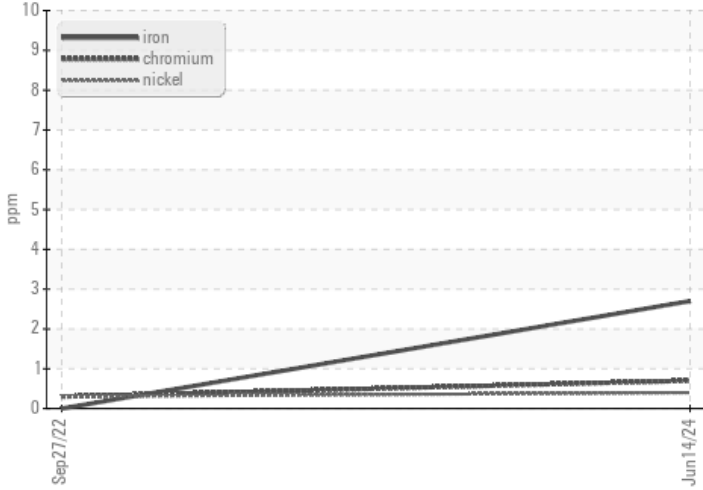


CONSTRUCTION EQUIPMENT

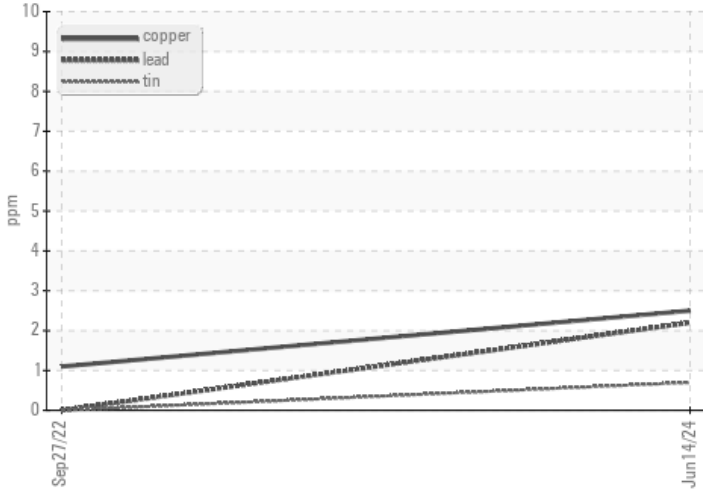


GRAPHS

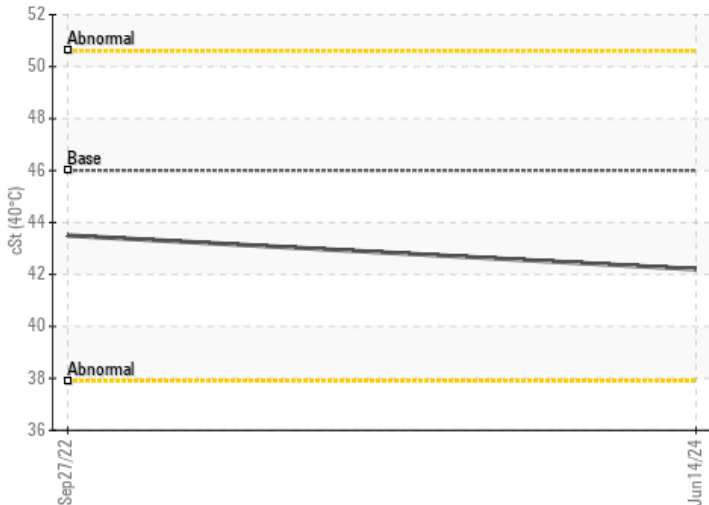
Ferrous Alloys



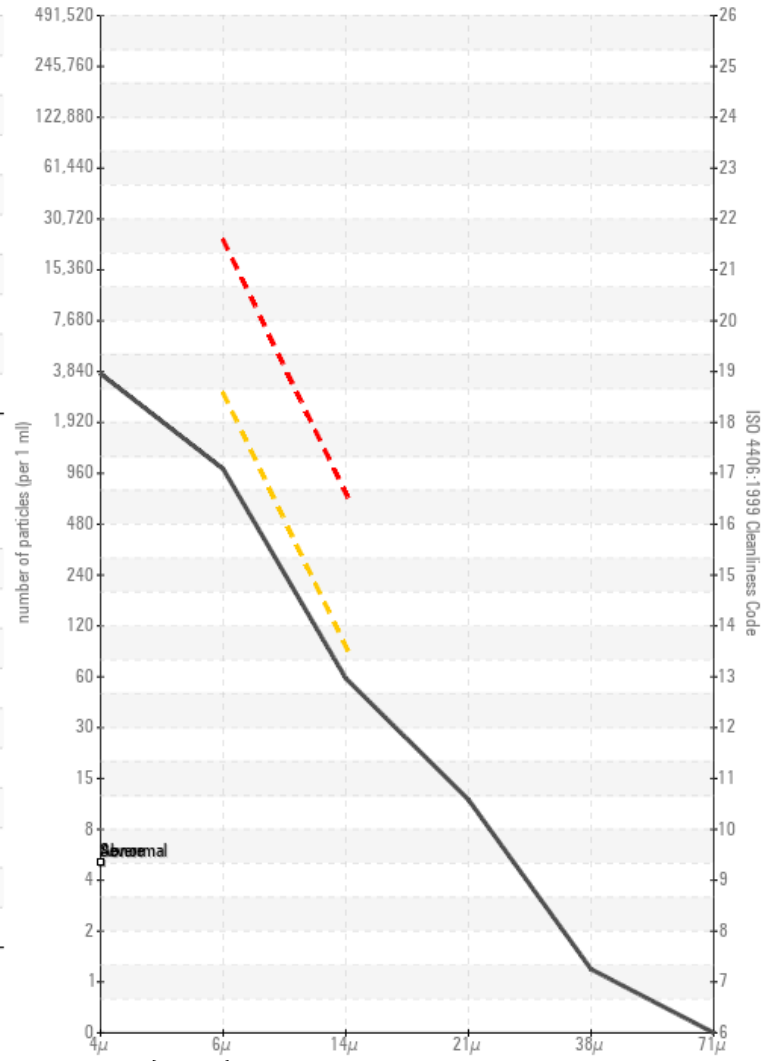
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

