



CONSTRUCTION EQUIPMENT

GBW 601 IAA UNIT1 VOLVO L90H 624060 - HYDRAULIC SYSTEM



Sample No: VCP245041
Oil Type: NOT GIVEN
Job No: GBW 601 IAA UNIT1



SAMPLE INFORMATION

Sample Number	VCP245041	---	---	---
Sample Date	25 Jun 2019	---	---	---
Machine Hours	4478	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	40.2	---	---	---
Acid Number (AN)	mg KOH/g	0.435	---	---	---

CONTAMINATION

Particles >4µm		17408	---	---	---
Particles >6µm		3747	---	---	---
Particles >14µm		276	---	---	---
ISO 4406:1999 (c)		21/19/15	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	<1	---	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present 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	8	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	89	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	449	---	---	---
Phosphorus	ppm	358	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	161	---	---	---

Depot: VOLVO6174
Unique No: 8653530
Signed: Don Baldrige
Report Date: 02 Jul 2019

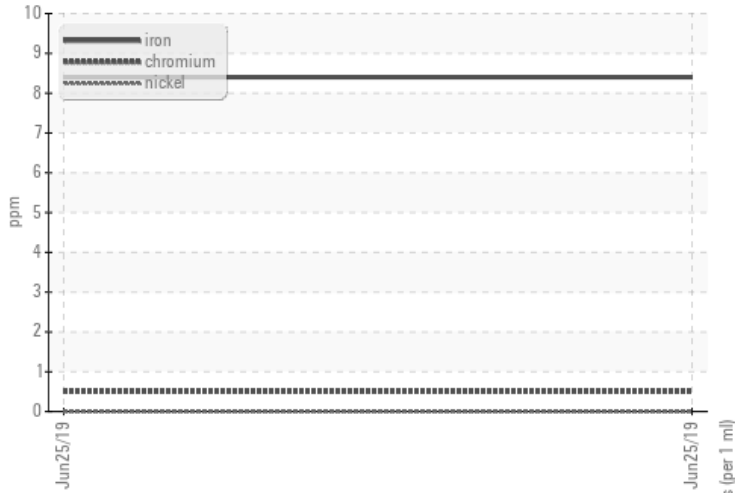


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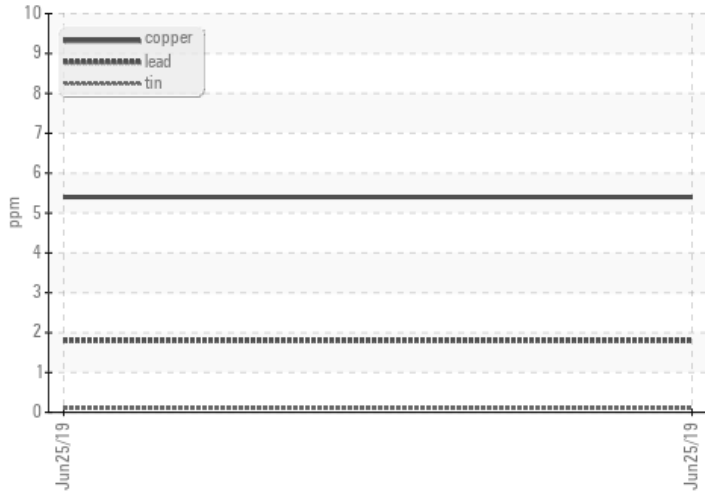


GRAPHS

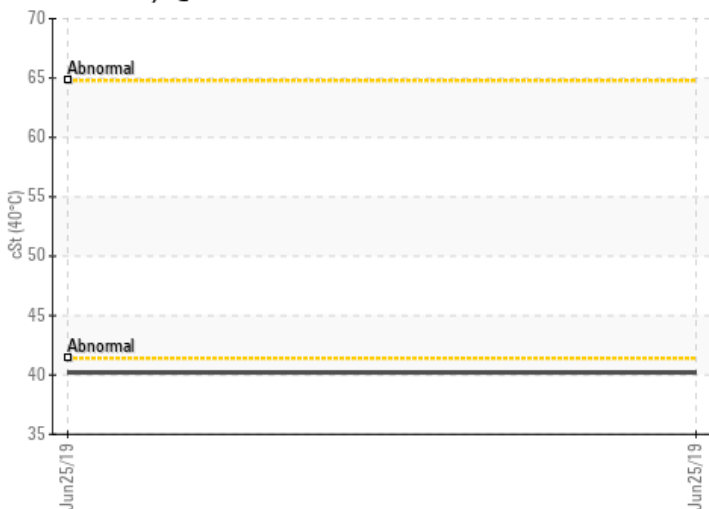
Ferrous Alloys



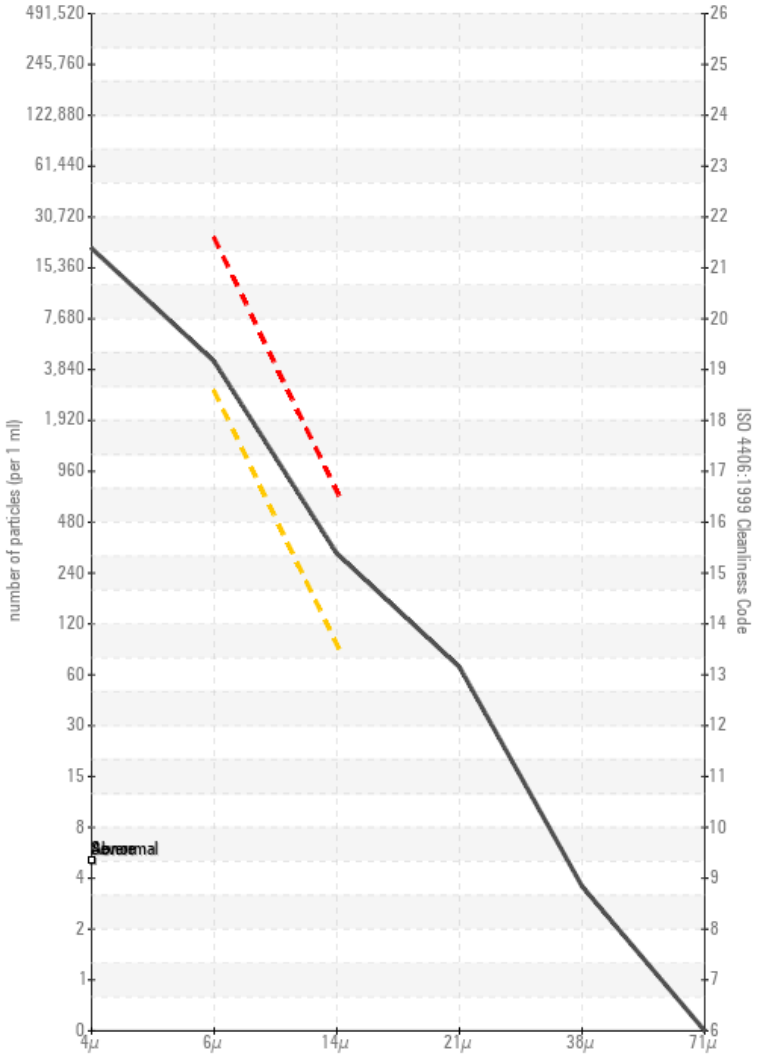
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

