



CONSTRUCTION EQUIPMENT

SW-35465-2 TEARAPART VOLVO EC160 310236 - HYDRAULIC SYSTEM



Sample No: VCP454027
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SW-35465-2 TEARAPART



SAMPLE INFORMATION

Sample Number	VCP454027	---	---	---
Sample Date	17 Jun 2024	---	---	---
Machine Hours	3935	---	---	---
Oil Hours	3935	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 43.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.36	---	---	---



CONTAMINATION

Water	%	▲ 0.135	---	---	---
Particles >4µm		█ 1079	---	---	---
Particles >6µm		█ 588	---	---	---
Particles >14µm		█ 100	---	---	---
ISO 4406:1999 (c)		17/16/14	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

We advise that you check for the source of water entry. 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. Appearance is hazy. There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 23	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 68	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 428	---	---	---
Phosphorus	ppm	█ 350	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO8770
Unique No: 11099339
Signed: Jonathan Hester
Report Date: 01 Jul 2024

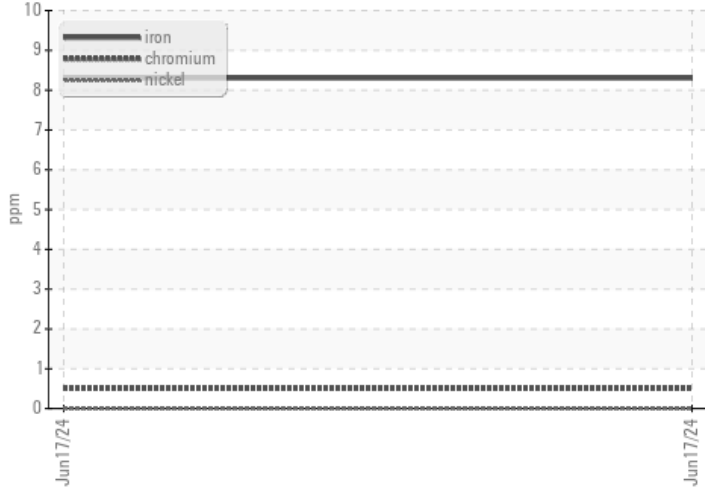


CONSTRUCTION EQUIPMENT

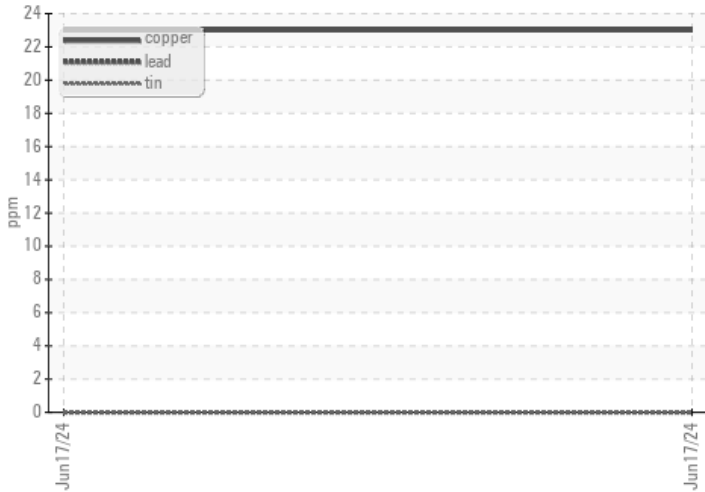


GRAPHS

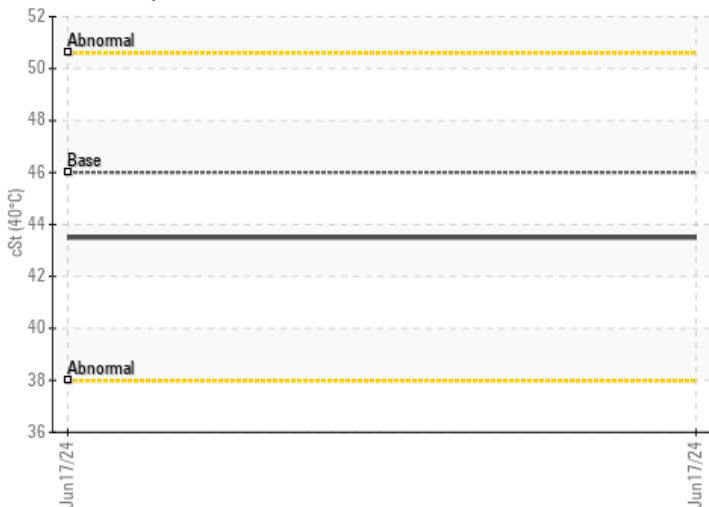
Ferrous Alloys



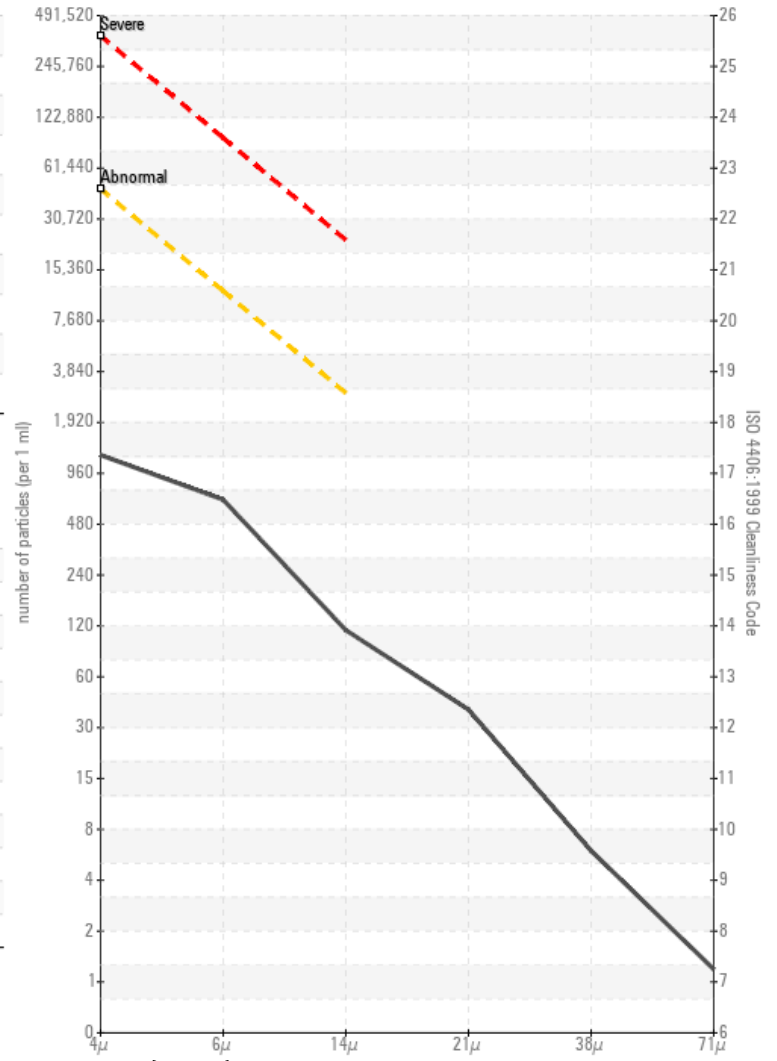
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

