



CONSTRUCTION EQUIPMENT

VOLVO EC380EL 3 15521 - HYDRAULIC SYSTEM



Sample No: VCP446504
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP446504	---	---	---
Sample Date	25 Jun 2024	---	---	---
Machine Hours	1681	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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 tlark@altaequipfl.com
 T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 41.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.51	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 112871	---	---	---
Particles >6µm		▲ 11419	---	---	---
Particles >14µm		● 280	---	---	---
ISO 4406:1999 (c)		24/21/15	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	█ 1	---	---	---
Copper	ppm	█ 21	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 79	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 557	---	---	---
Phosphorus	ppm	█ 446	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0090
Unique No: 11099323
Signed: Wes Davis
Report Date: 01 Jul 2024

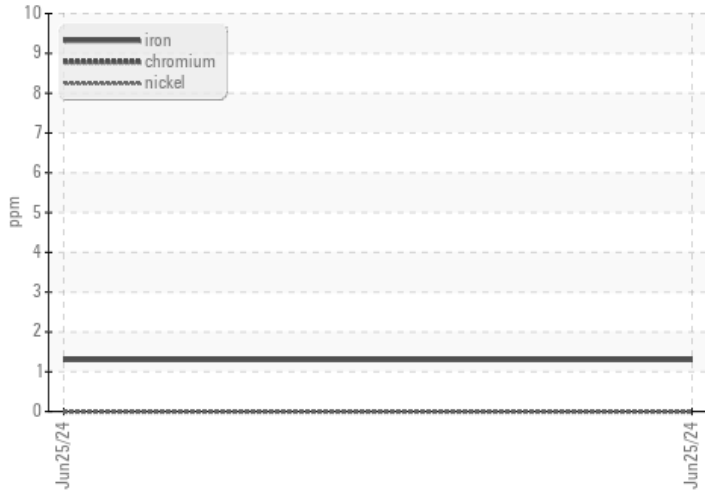


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GRAPHS

Ferrous Alloys



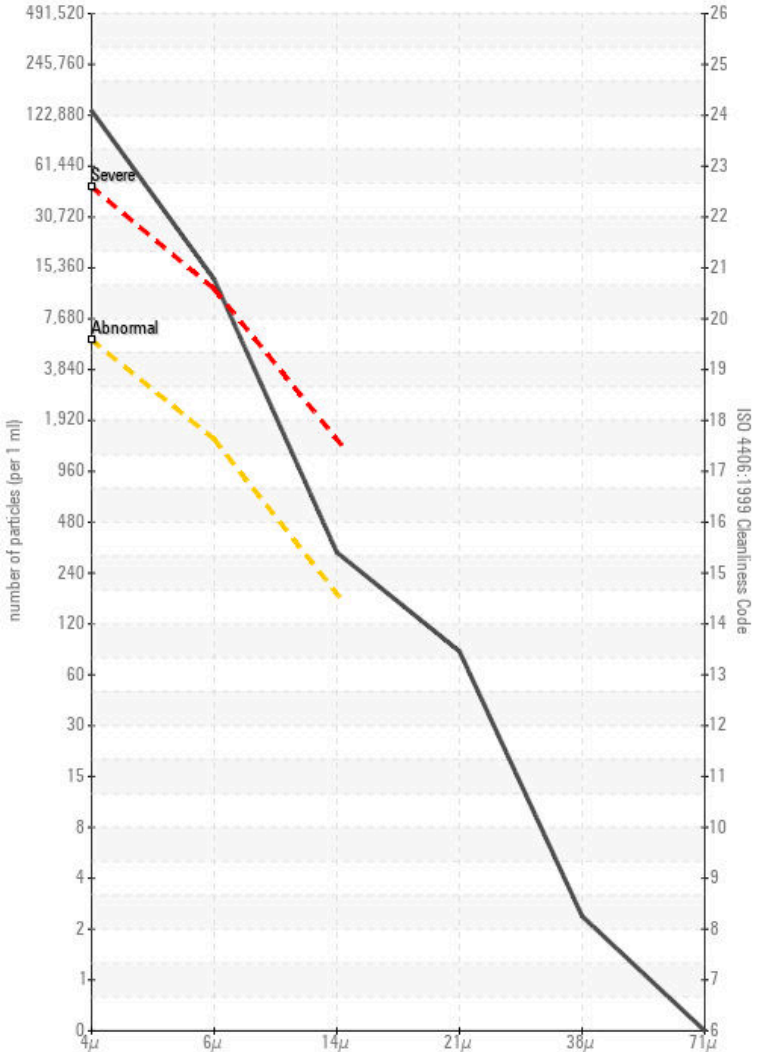
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

