



CONSTRUCTION EQUIPMENT

G08294 BIG HEAD VOLVO EC160E 314296 - HYDRAULIC SYSTEM



Sample No: VCP434572
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: G08294 BIG HEAD



HOFFMAN EQUIPMENT - DEPTFORD
 1330 HURFFVILLE ROAD
 DEPTFORD, NJ
 US 08096
 Contact: TAMMY SANDORA
 tammy.sandora@hoffmanequip.com
 T: (856)227-6400
 F: (856)227-0046

SAMPLE INFORMATION

Sample Number	VCP434572	---	---	---
Sample Date	29 Jan 2024	---	---	---
Machine Hours	2086	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 40.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.50	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 75657	---	---	---
Particles >6µm		█ 6504	---	---	---
Particles >14µm		█ 210	---	---	---
ISO 4406:1999 (c)		23/20/15	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 28	---	---	---
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	█ 259	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 389	---	---	---
Phosphorus	ppm	█ 309	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 4	---	---	---

Diagnosis

We recommend you service the filters on this component. 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. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO8880
Unique No: 10859719
Signed: Wes Davis
Report Date: 02 Feb 2024

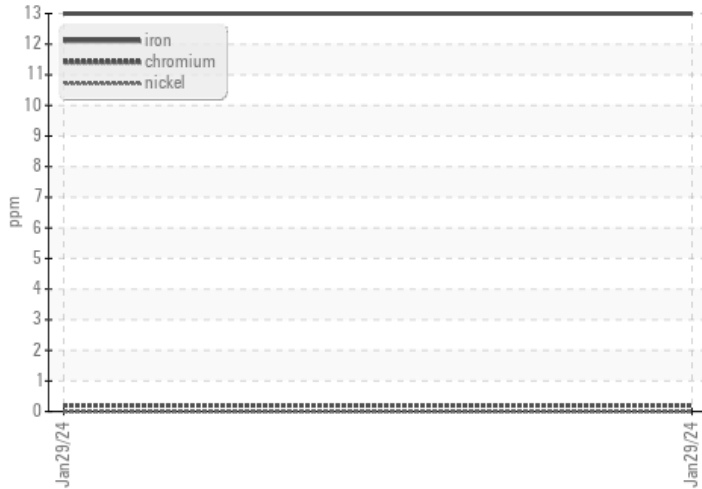


CONSTRUCTION EQUIPMENT



GRAPHS

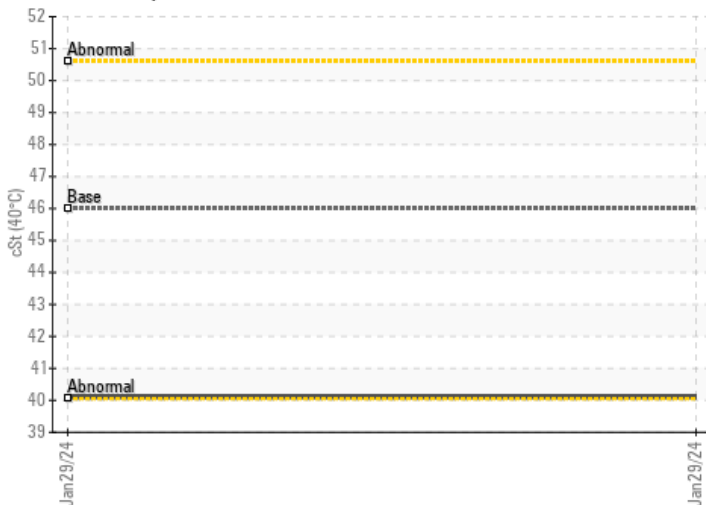
Ferrous Alloys



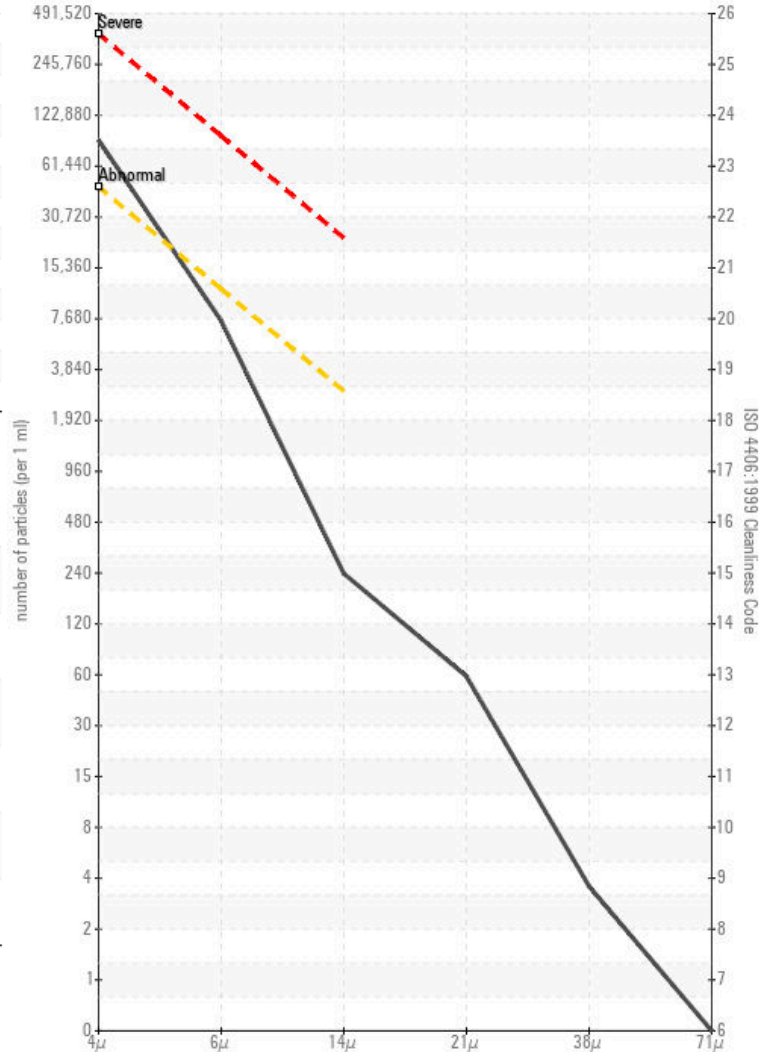
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

