



CONSTRUCTION EQUIPMENT

595382 FORT IRON VOLVO EC480 314276 - HYDRAULIC SYSTEM



Sample No: VCP435462
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 595382 FORT IRON



ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: PAUL CONZ
 paul.conz@altg.com
 T: (313)348-8861
 F: (248)356-2029

SAMPLE INFORMATION

Sample Number	VCP435462	VCP365085	---	---
Sample Date	30 Aug 2023	09 Aug 2022	---	---
Machine Hours	2922	2006	---	---
Oil Hours	2932	2000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	41.9	42.0	---	---
Acid Number (AN)	mg KOH/g	0.50	0.43	---	---

CONTAMINATION

Particles >4µm		2113	93884	---	---
Particles >6µm		479	27268	---	---
Particles >14µm		39	1410	---	---
ISO 4406:1999 (c)		18/16/12	24/22/18	---	---
Silicon	ppm	2	3	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	<1	0	---	---

WEAR METALS

Iron	ppm	3	4	---	---
Copper	ppm	6	17	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	31	112	---	---
Magnesium	ppm	2	9	---	---
Zinc	ppm	410	398	---	---
Phosphorus	ppm	321	327	---	---
Barium	ppm	2	2	---	---
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: VOLVO2990
Unique No: 10632723
Signed: Wes Davis
Report Date: 06 Sep 2023

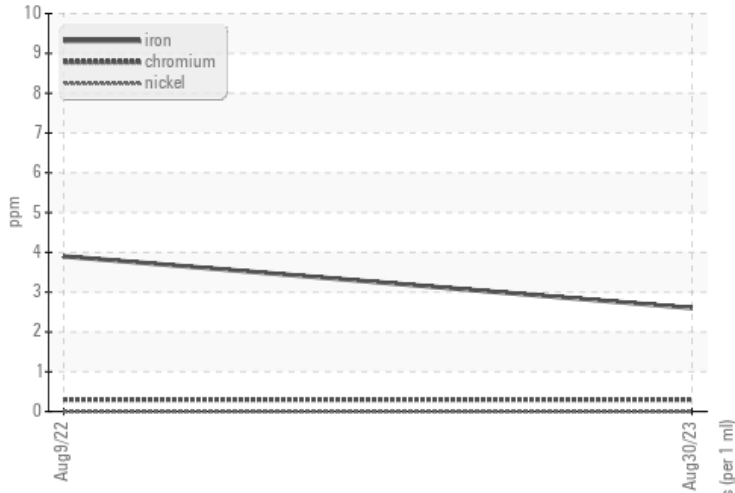


CONSTRUCTION EQUIPMENT

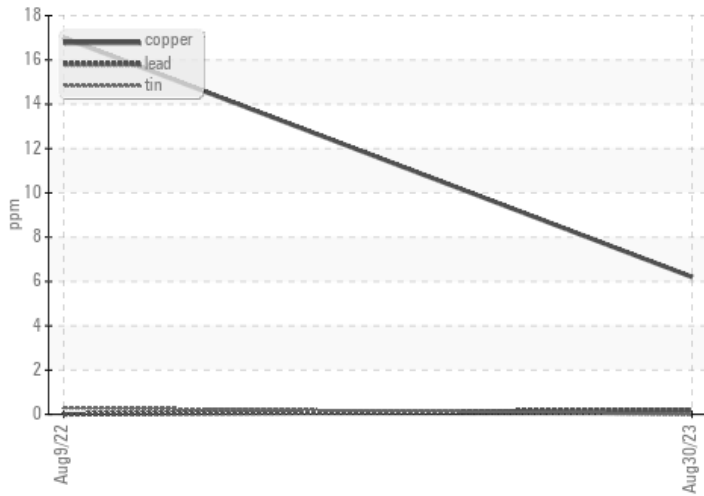


GRAPHS

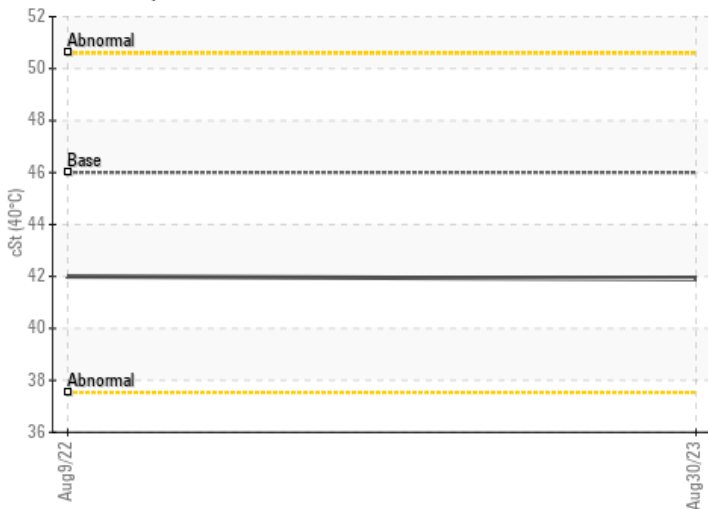
Ferrous Alloys



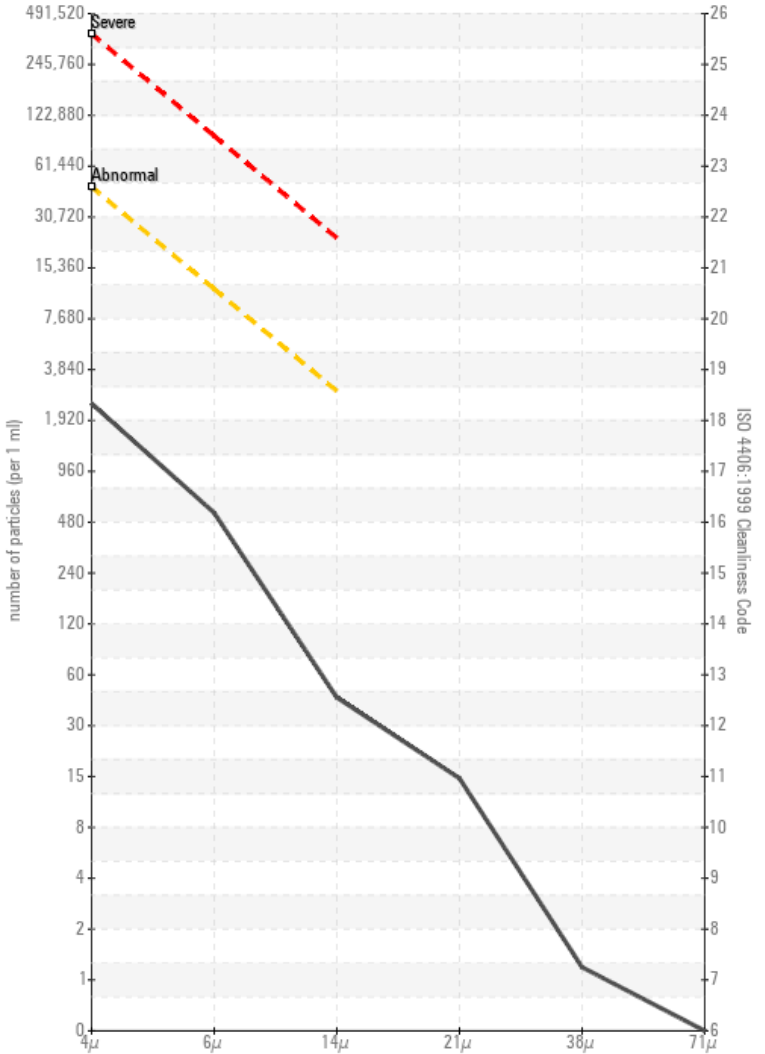
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

