



CONSTRUCTION EQUIPMENT

SWA553561-10 VOLVO EC480EL 315223 - HYDRAULIC SYSTEM



Sample No: VCP401286
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA553561-10



SAMPLE INFORMATION

Sample Number	VCP401286	VCP437761	---	---
Sample Date	04 May 2024	12 Apr 2024	---	---
Machine Hours	1074	1071	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	ATTENTION	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 40°C	cSt	41.7	41.6	---	---
Acid Number (AN)	mg KOH/g	0.57	0.60	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		7600	55611	---	---
Particles >6µm		877	17204	---	---
Particles >14µm		56	1453	---	---
ISO 4406:1999 (c)		20/17/13	23/21/18	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	1	1	---	---

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.



WEAR METALS

Iron	ppm	2	1	---	---
Copper	ppm	15	14	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	0	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	86	84	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	557	549	---	---
Phosphorus	ppm	469	442	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0090
Unique No: 11017146
Signed: Wes Davis
Report Date: 08 May 2024

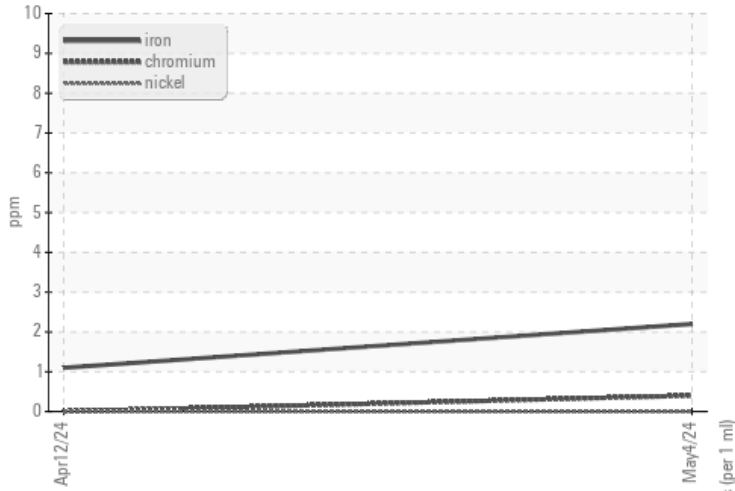


CONSTRUCTION EQUIPMENT

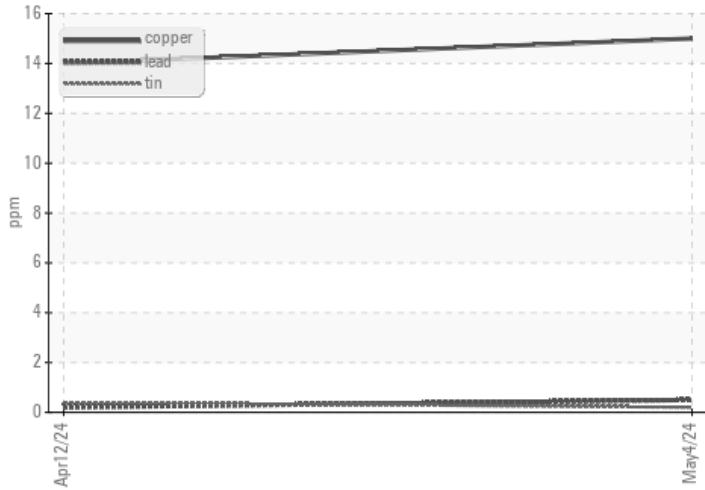


GRAPHS

Ferrous Alloys



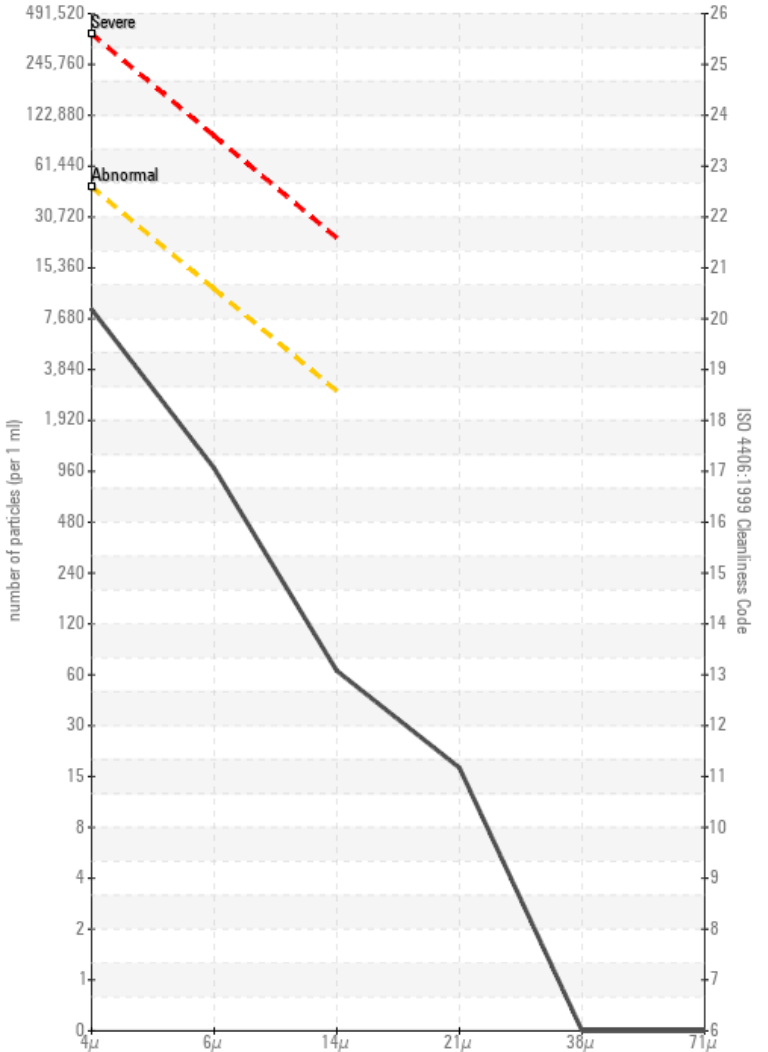
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

