



CONSTRUCTION EQUIPMENT

SPM645114-10 VOLVO EC480EL 315150 - HYDRAULIC SYSTEM



Sample No: VCP421053
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM645114-10



SAMPLE INFORMATION

Sample Number	VCP421053	VCP418611	---	---
Sample Date	07 Dec 2023	11 Aug 2023	---	---
Machine Hours	1188	640	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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	41.6	45.5	---	---
Acid Number (AN)	mg KOH/g	0.59	0.50	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		6426	23651	---	---
Particles >6µm		1094	4872	---	---
Particles >14µm		185	239	---	---
ISO 4406:1999 (c)		20/17/15	22/19/15	---	---
Silicon	ppm	6	6	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	0	<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	0	2	---	---
Copper	ppm	14	8	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	83	94	---	---
Magnesium	ppm	0	<1	---	---
Zinc	ppm	515	531	---	---
Phosphorus	ppm	393	399	---	---
Barium	ppm	0	1	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0090
Unique No: 10780271
Signed: Wes Davis
Report Date: 12 Dec 2023

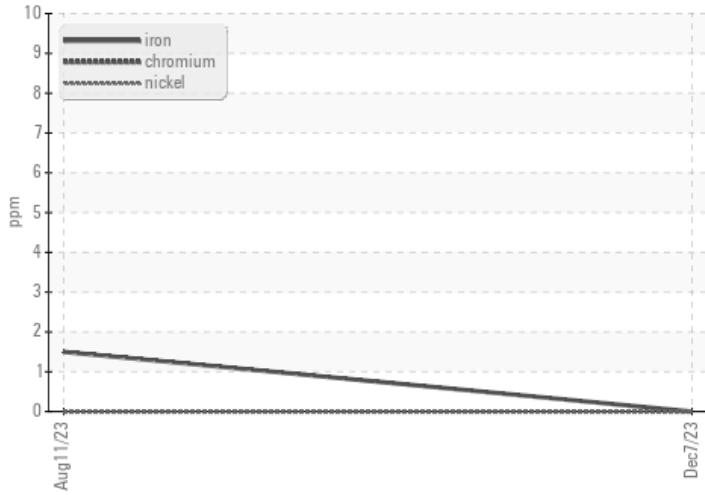


CONSTRUCTION EQUIPMENT

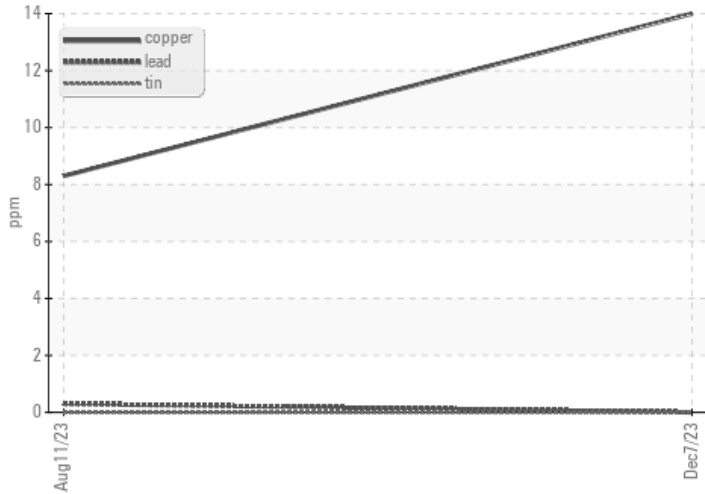


GRAPHS

Ferrous Alloys



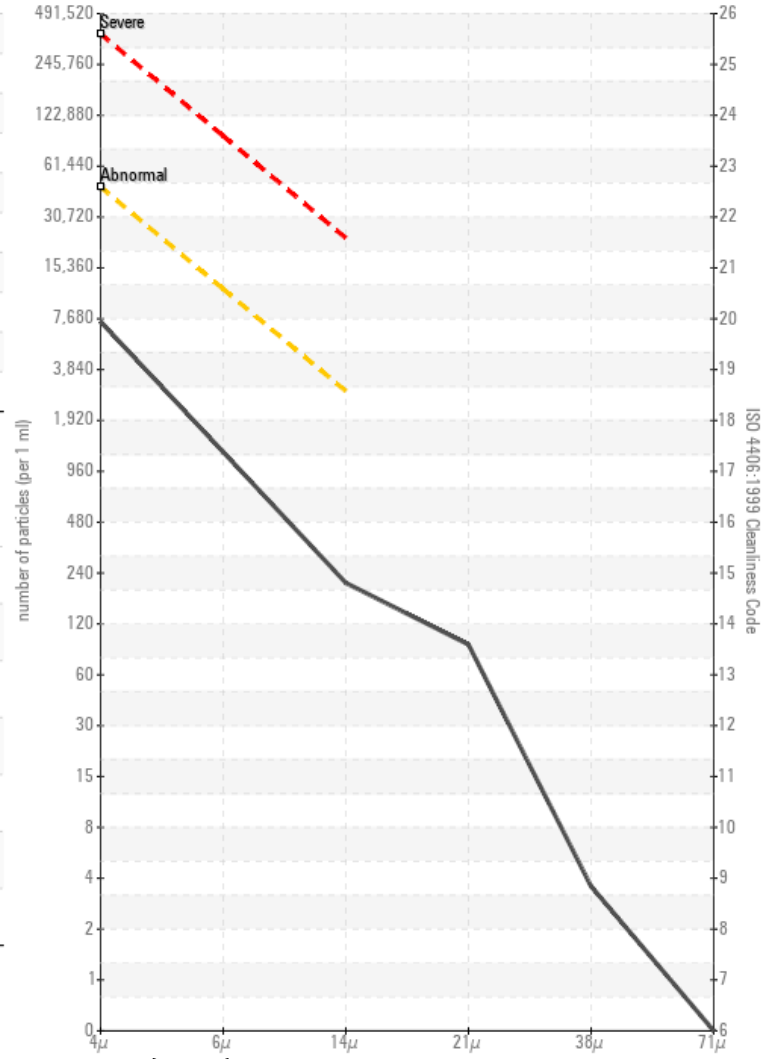
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

