CONSTRUCTION EQUIPMENT

SWO-068393 VOLVO EC480EL 315428 - HYDRAULIC SYSTEM

Sample No: VCP447580
Oil Type: NOT GIVEN
Job No: SWO-068393

SAIIA CONSTRUCTION LLC
4400 LEWISBURG RD
BIRMINGHAM, AL
US 35207
Contact: STEPHANI BRITTON
sbritton@saiia.com;doug.bogart@wearcheck.com
T: (205)943-2268
F: (205)943-2269

SAMPLE INFORMATION

Sample Number		**VCP447580**	---	---	---
Sample Date		**19 Dec 2023**	---	---	---
Machine Hours		**482**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**41.8**	---	---	---
Acid Number (AN)	mg KOH/g	**0.48**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**2517**	---	---	---
Particles >6µm		**93**	---	---	---
Particles >14µm		**5**	---	---	---
ISO 4406:1999 (c)		**19/14/10**	---	---	---
Silicon	ppm	**3**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**1**	---	---	---

WEAR METALS

Iron	ppm	**2**	---	---	---
Copper	ppm	**9**	---	---	---
Lead	ppm	**0**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**1**	---	---	---
Chromium	ppm	**<1**	---	---	---
Molybdenum	ppm	**<1**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**84**	---	---	---
Magnesium	ppm	**12**	---	---	---
Zinc	ppm	**534**	---	---	---
Phosphorus	ppm	**439**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

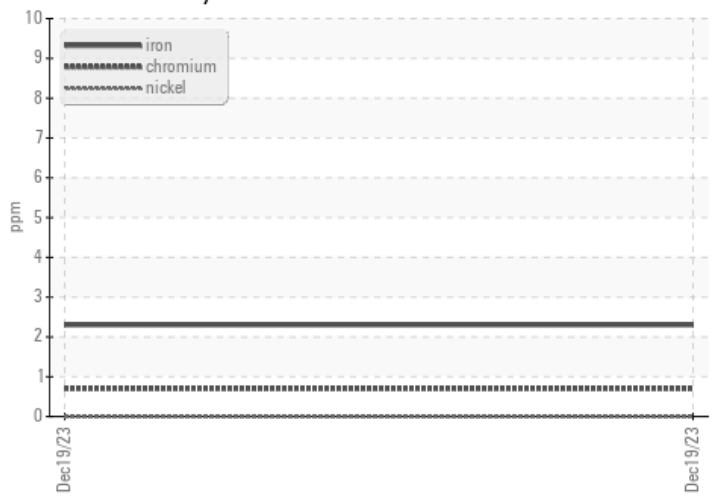
Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

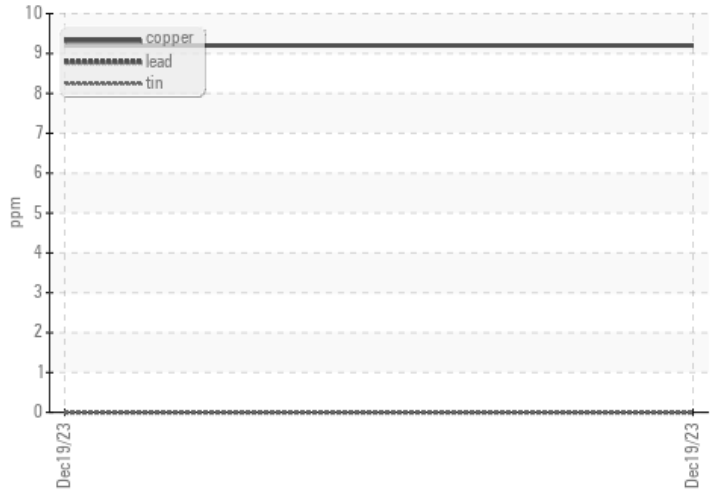
Depot: SAIBIR
Unique No: 10803722
Signed: Don Baldridge
Report Date: 26 Dec 2023

GRAPHS

Ferrous Alloys

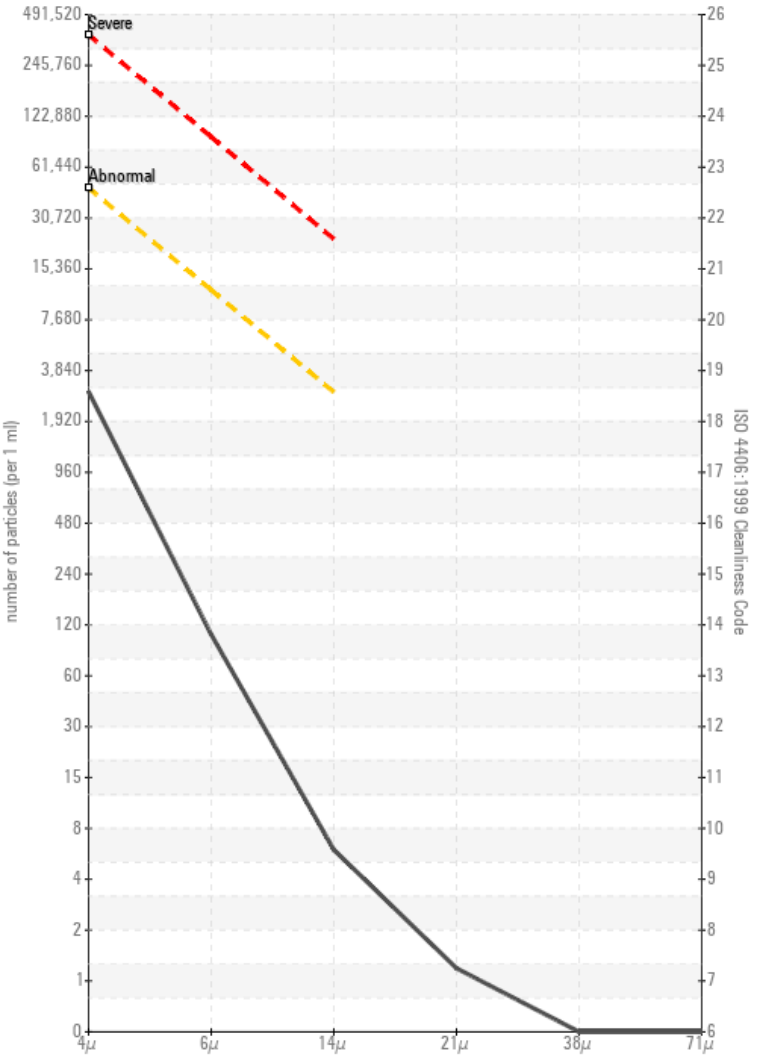


Non-ferrous Metals



Viscosity @ 40°C

Particle Count



Acid Number