CONSTRUCTION EQUIPMENT

SWO-063331 VOLVO A30G 752673 - HYDRAULIC SYSTEM

Sample No: VCP423987
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO-063331

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		**VCP423987**	VCP383827	---	---
Sample Date		**23 Jun 2023**	02 Dec 2022	---	---
Machine Hours		**987**	490	---	---
Oil Hours		**0**	0	---	---
Oil Changed		**Not Changd**	Not Changd	---	---
Sample Status		**NORMAL**	ATTENTION	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.8**	45.1	---	---
Acid Number (AN)	mg KOH/g	**0.41**	0.42	---	---

CONTAMINATION

Particles >4µm		**4661**	14935	---	---
Particles >6µm		**1726**	▲ 6368	---	---
Particles >14µm		**98**	▲ 284	---	---
ISO 4406:1999 (c)		**19/18/14**	21/20/15	---	---
Silicon	ppm	**3**	2	---	---
Sodium	ppm	**2**	0	---	---
Potassium	ppm	**1**	0	---	---

WEAR METALS

Iron	ppm	**2**	2	---	---
Copper	ppm	**3**	2	---	---
Lead	ppm	**2**	<1	---	---
Tin	ppm	**<1**	0	---	---
Aluminum	ppm	**0**	<1	---	---
Chromium	ppm	**<1**	0	---	---
Molybdenum	ppm	**<1**	0	---	---
Nickel	ppm	**0**	0	---	---
Titanium	ppm	**<1**	0	---	---
Silver	ppm	**0**	0	---	---
Manganese	ppm	**<1**	0	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**52**	66	---	---
Magnesium	ppm	**7**	0	---	---
Zinc	ppm	**400**	392	---	---
Phosphorus	ppm	**311**	314	---	---
Barium	ppm	**2**	0	---	---
Boron	ppm	**0**	0	---	---

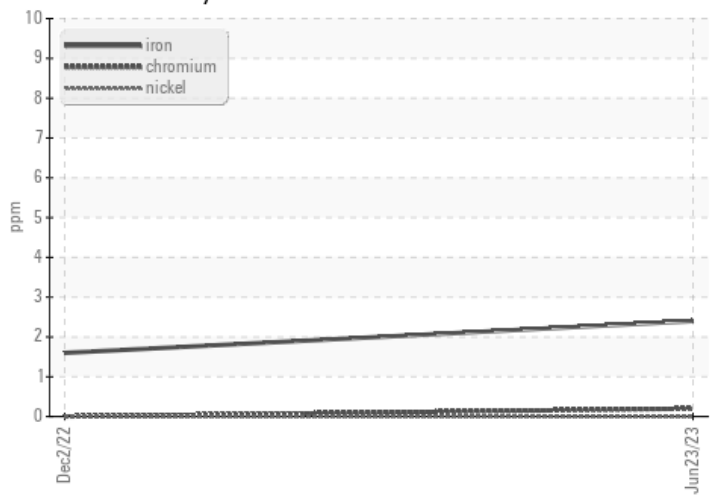
Diagnosis

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.

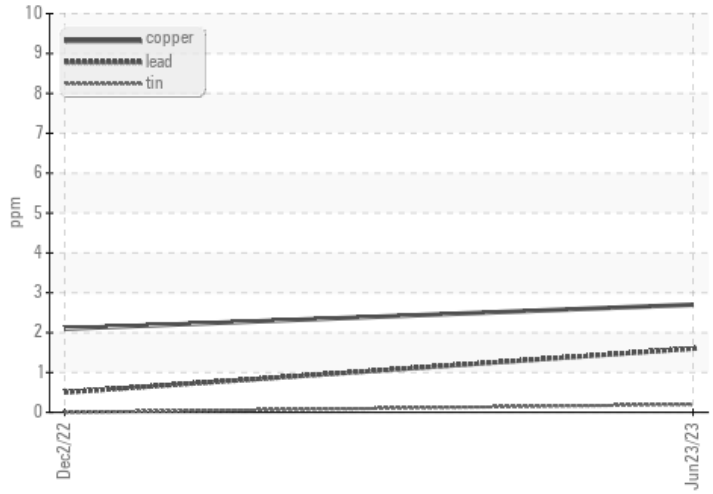
Depot: SAIBIR
Unique No: 10536045
Signed: Angela Borella
Report Date: 30 Jun 2023

GRAPHS

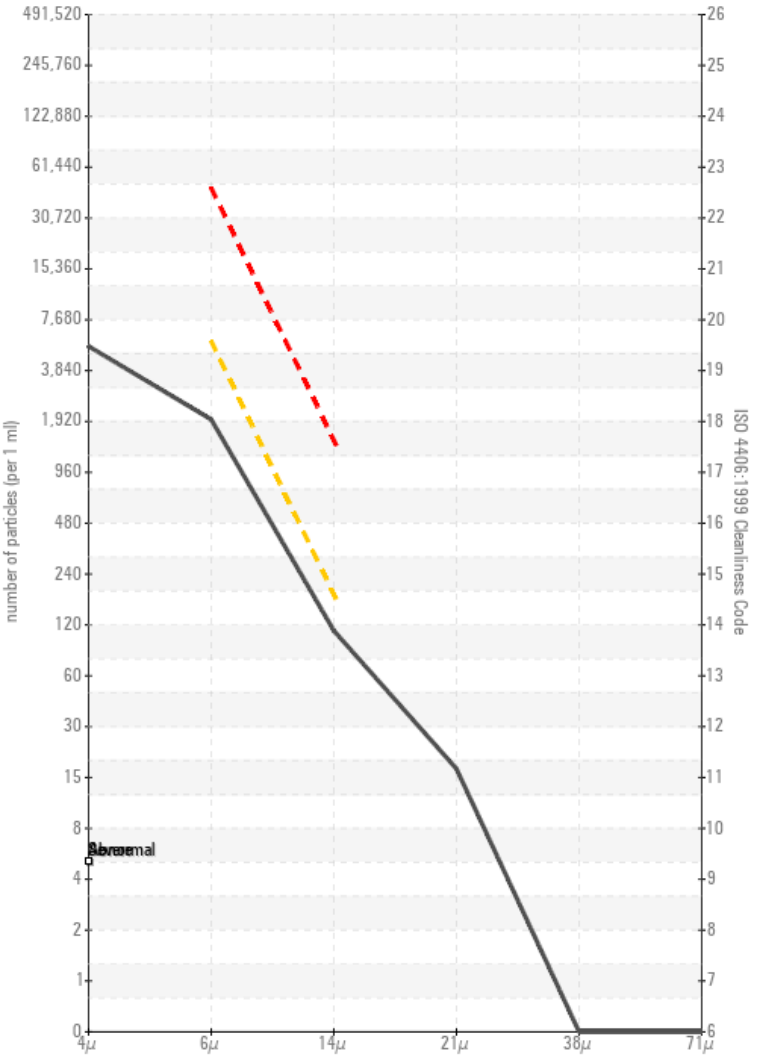
Ferrous Alloys



Non-ferrous Metals



Particle Count



Viscosity @ 40°C

Acid Number