CONSTRUCTION EQUIPMENT
SWA578879 VOLVO A30G 752316 - HYDRAULIC SYSTEM

Sample No: VCP454051
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWA578879

ALTA EQUIPMENT COMPANY
5210 REESE ROAD
DAVIE, FL
US 33314
Contact: N. FACEY
nfacey@altaequipfl.com
T: (954)581-4744
F: (954)583-0318

SAMPLE INFORMATION

Sample Number		**VCP454051**	VCP379689	VCP330162	---
Sample Date		**06 Jun 2024**	29 Nov 2022	05 Apr 2022	---
Machine Hours		**3946**	2557	1425	---
Oil Hours		**0**	0	0	---
Oil Changed		**Not Changd**	Changed	Changed	---
Sample Status		**ABNORMAL**	NORMAL	ABNORMAL	---

OIL CONDITION

Visc @ 40°C	cSt	**45.7**	45.1	45.8	---
Acid Number (AN)	mg KOH/g	**0.34**	0.39	0.46	---

CONTAMINATION

Water	%	**NEG**	NEG	NEG	---
Particles >4µm		**---**	9137	27593	---
Particles >6µm		**---**	2046	▲ 8877	---
Particles >14µm		**---**	159	▲ 1223	---
ISO 4406:1999 (c)		**---**	20/18/14	22/20/17	---
Silicon	ppm	**3**	2	3	---
Sodium	ppm	**4**	0	2	---
Potassium	ppm	**0**	<1	0	---

WEAR METALS

Iron	ppm	**7**	6	6	---
Copper	ppm	**5**	7	6	---
Lead	ppm	**2**	4	3	---
Tin	ppm	**0**	0	<1	---
Aluminum	ppm	**<1**	0	<1	---
Chromium	ppm	**<1**	<1	<1	---
Molybdenum	ppm	**0**	<1	0	---
Nickel	ppm	**0**	0	0	---
Titanium	ppm	**0**	0	0	---
Silver	ppm	**0**	0	<1	---
Manganese	ppm	**0**	0	<1	---
Vanadium	ppm	**0**	0	0	---

ADDITIVES

Calcium	ppm	**77**	54	50	---
Magnesium	ppm	**4**	5	4	---
Zinc	ppm	**426**	421	425	---
Phosphorus	ppm	**330**	316	343	---
Barium	ppm	**0**	0	0	---
Boron	ppm	**0**	0	1	---

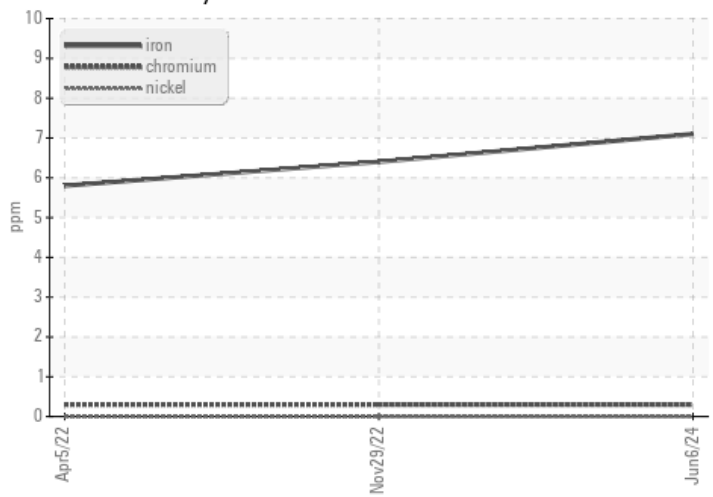
Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. High concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

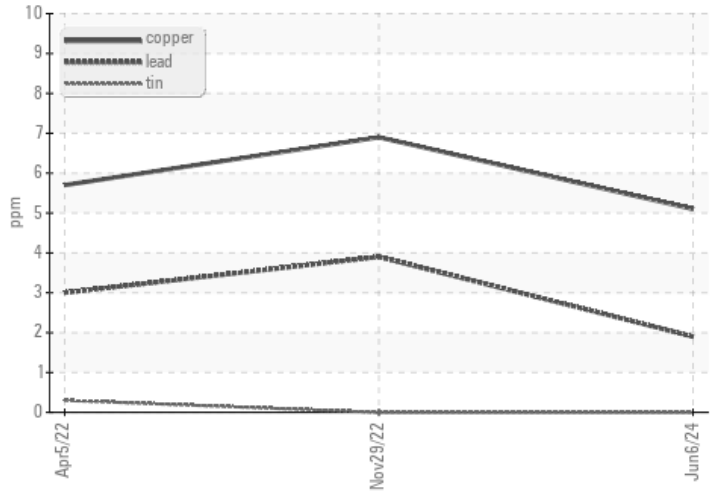
Depot: VOLVO0095
Unique No: 11073890
Signed: Don Baldridge
Report Date: 13 Jun 2024

GRAPHS

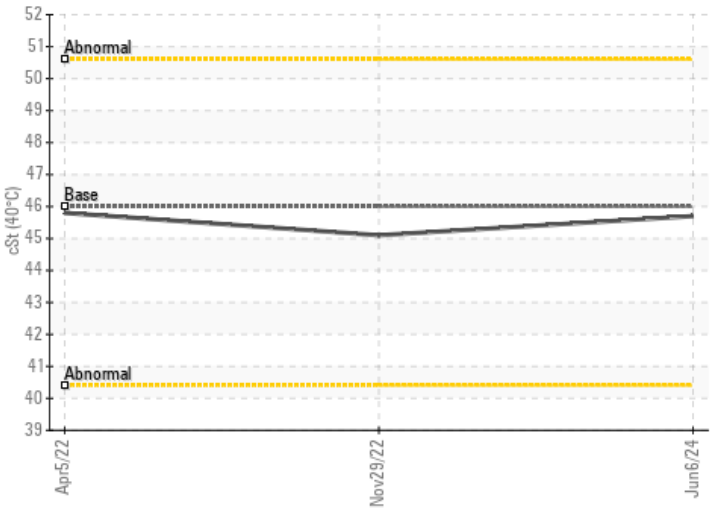
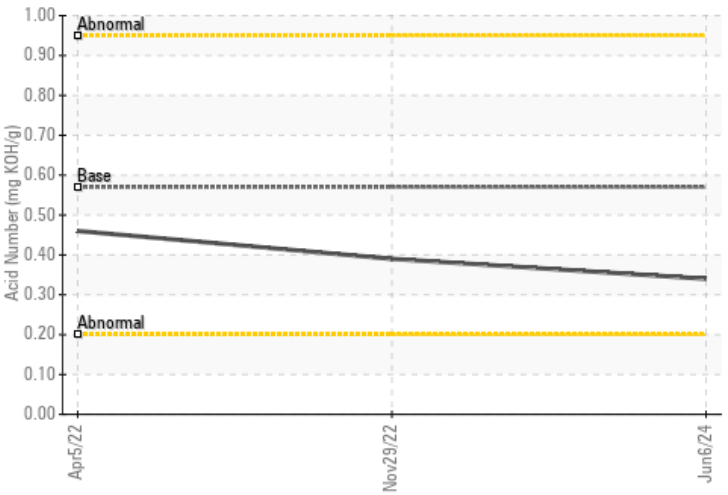
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number