CONSTRUCTION EQUIPMENT

W07013955-1 STANLEY VOLVO A35G 342021 - HYDRAULIC SYSTEM

Sample No: VCP413920
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: W07013955-1 STANLEY

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
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SAMPLE INFORMATION

Sample Number		**VCP413920**	VCP338710	---	---
Sample Date		**19 Dec 2023**	16 Dec 2021	---	---
Machine Hours		**8036**	5136	---	---
Oil Hours		**0**	5136	---	---
Oil Changed		**Changed**	Changed	---	---
Sample Status		**NORMAL**	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	**42.5**	42.5	---	---
Acid Number (AN)	mg KOH/g	**0.31**	0.398	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Particles >4µm		**1804**	973	---	---
Particles >6µm		**234**	217	---	---
Particles >14µm		**9**	17	---	---
ISO 4406:1999 (c)		**18/15/10**	17/15/11	---	---
Silicon	ppm	**4**	10	---	---
Sodium	ppm	**2**	2	---	---
Potassium	ppm	**2**	<1	---	---

WEAR METALS

Iron	ppm	**7**	16	---	---
Copper	ppm	**2**	7	---	---
Lead	ppm	**<1**	3	---	---
Tin	ppm	**0**	<1	---	---
Aluminum	ppm	**2**	3	---	---
Chromium	ppm	**<1**	<1	---	---
Molybdenum	ppm	**1**	2	---	---
Nickel	ppm	**0**	0	---	---
Titanium	ppm	**<1**	<1	---	---
Silver	ppm	**0**	<1	---	---
Manganese	ppm	**0**	<1	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**89**	286	---	---
Magnesium	ppm	**16**	42	---	---
Zinc	ppm	**274**	539	---	---
Phosphorus	ppm	**220**	423	---	---
Barium	ppm	**0**	0	---	---
Boron	ppm	**0**	9	---	---

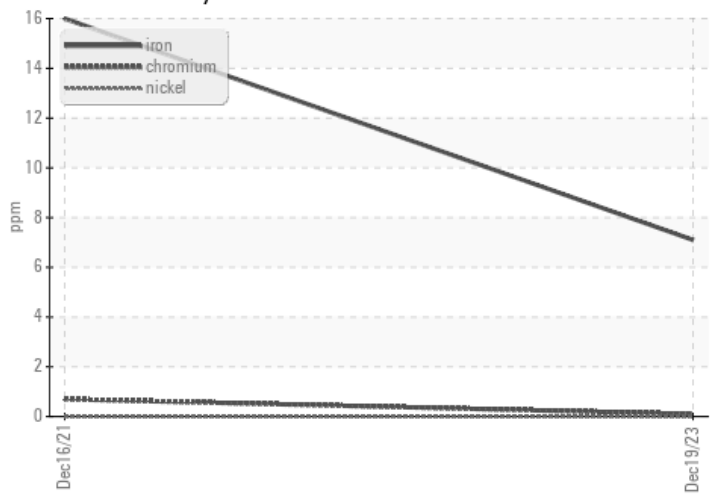
Diagnosis

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.

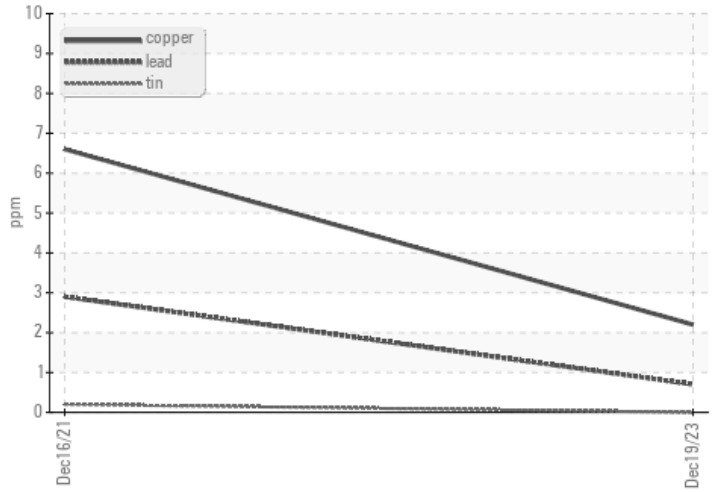
Depot: VOLVO8882
Unique No: 10803728
Signed: Wes Davis
Report Date: 26 Dec 2023

GRAPHS

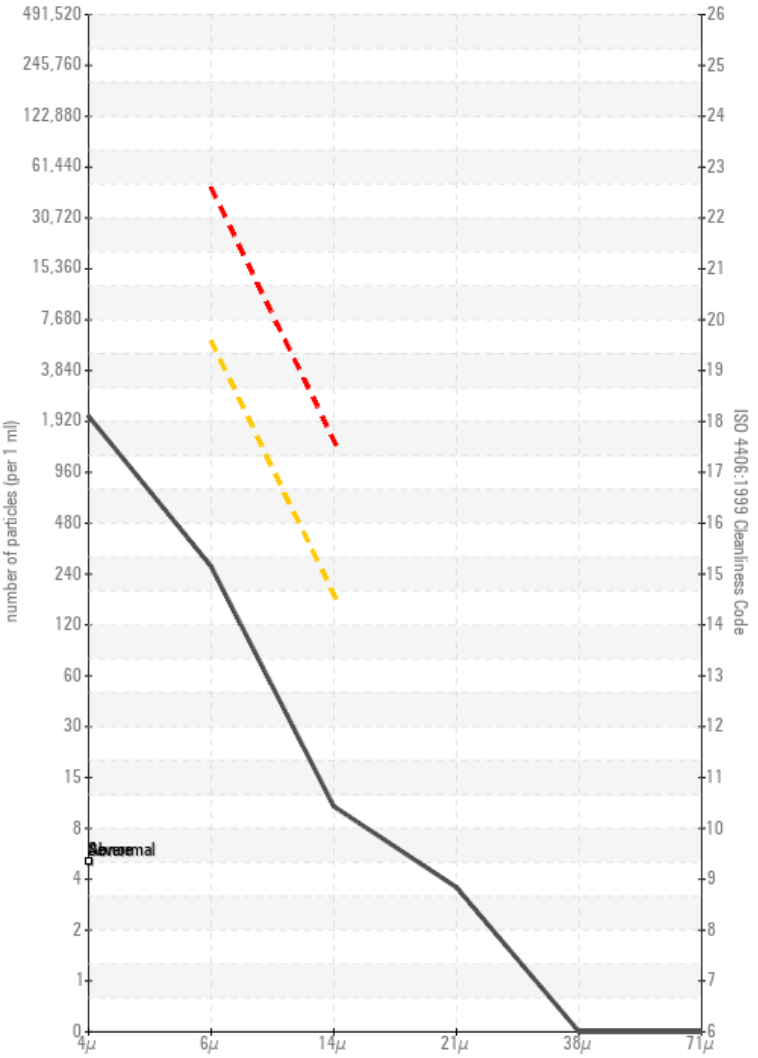
Ferrous Alloys

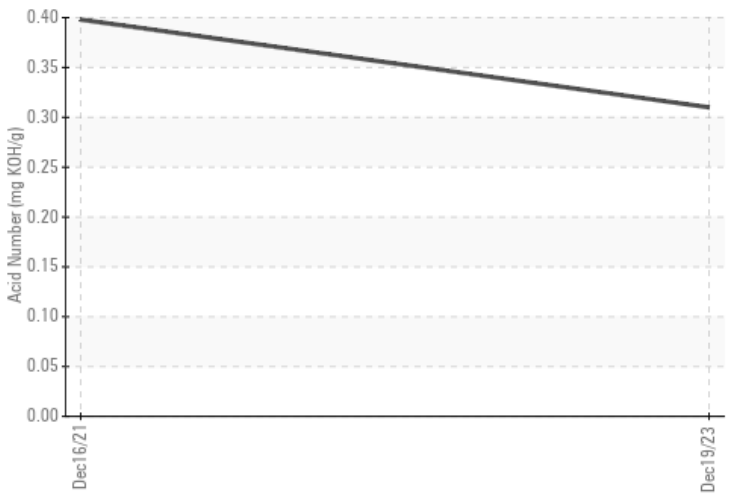


Non-ferrous Metals



Particle Count



Viscosity @ 40°C

Acid Number