CONSTRUCTION EQUIPMENT

SPM608316 WM VOLVO L150H 6556 - HYDRAULIC SYSTEM

Sample No: VCP427408
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM608316 WM

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F:

SAMPLE INFORMATION

Sample Number		**VCP427408**	VCP390869	---	---
Sample Date		**04 Oct 2023**	22 Mar 2023	---	---
Machine Hours		**7608**	6793	---	---
Oil Hours		**0**	0	---	---
Oil Changed		**Not Changd**	Not Changd	---	---
Sample Status		**ABNORMAL**	SEVERE	---	---

OIL CONDITION

Visc @ 40°C	cSt	**41.6**	44.8	---	---
Acid Number (AN)	mg KOH/g	**0.30**	0.27	---	---

CONTAMINATION

Particles >4µm		**42663**	24069	---	---
Particles >6µm		**4185**	449	---	---
Particles >14µm		**244**	19	---	---
ISO 4406:1999 (c)		**23/19/15**	22/16/11	---	---
Silicon	ppm	**2**	4	---	---
Sodium	ppm	**0**	2	---	---
Potassium	ppm	**<1**	2	---	---

WEAR METALS

Iron	ppm	**6**	12	---	---
Copper	ppm	**3**	4	---	---
Lead	ppm	**<1**	1	---	---
Tin	ppm	**0**	<1	---	---
Aluminum	ppm	**<1**	0	---	---
Chromium	ppm	**30**	41	---	---
Molybdenum	ppm	**0**	0	---	---
Nickel	ppm	**<1**	0	---	---
Titanium	ppm	**0**	0	---	---
Silver	ppm	**0**	0	---	---
Manganese	ppm	**<1**	<1	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**54**	53	---	---
Magnesium	ppm	**5**	2	---	---
Zinc	ppm	**461**	431	---	---
Phosphorus	ppm	**355**	325	---	---
Barium	ppm	**0**	0	---	---
Boron	ppm	**0**	0	---	---

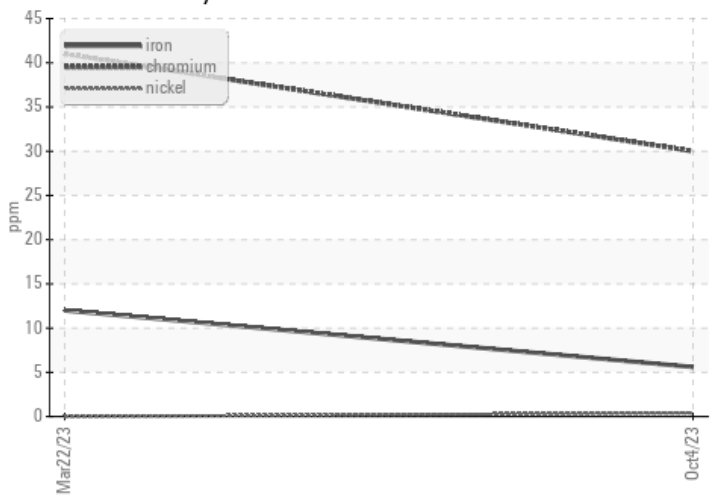
Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor.The iron level has decreased, but is still abnormal. All other component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

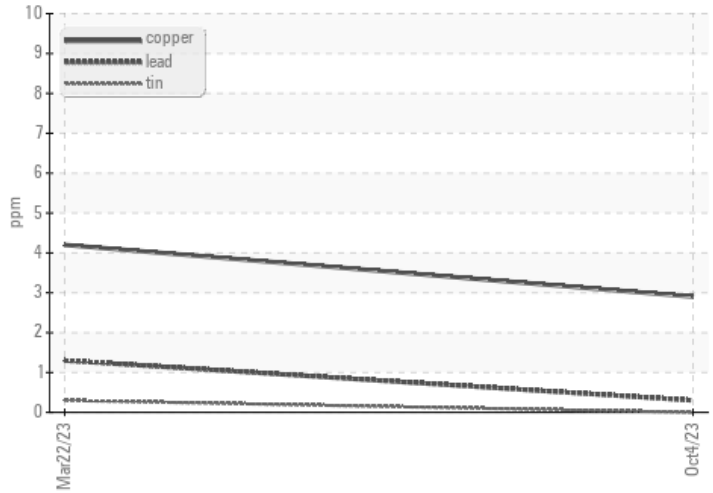
Depot: VOLVO8885
Unique No: 10712956
Signed: Don Baldridge
Report Date: 28 Oct 2023

GRAPHS

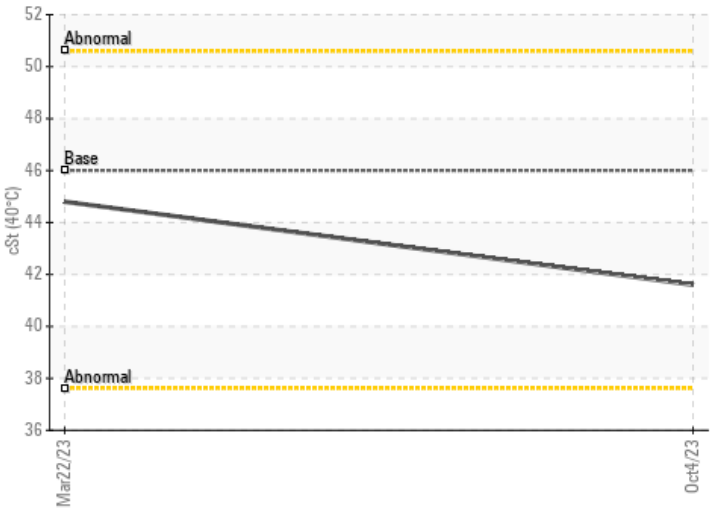
Ferrous Alloys



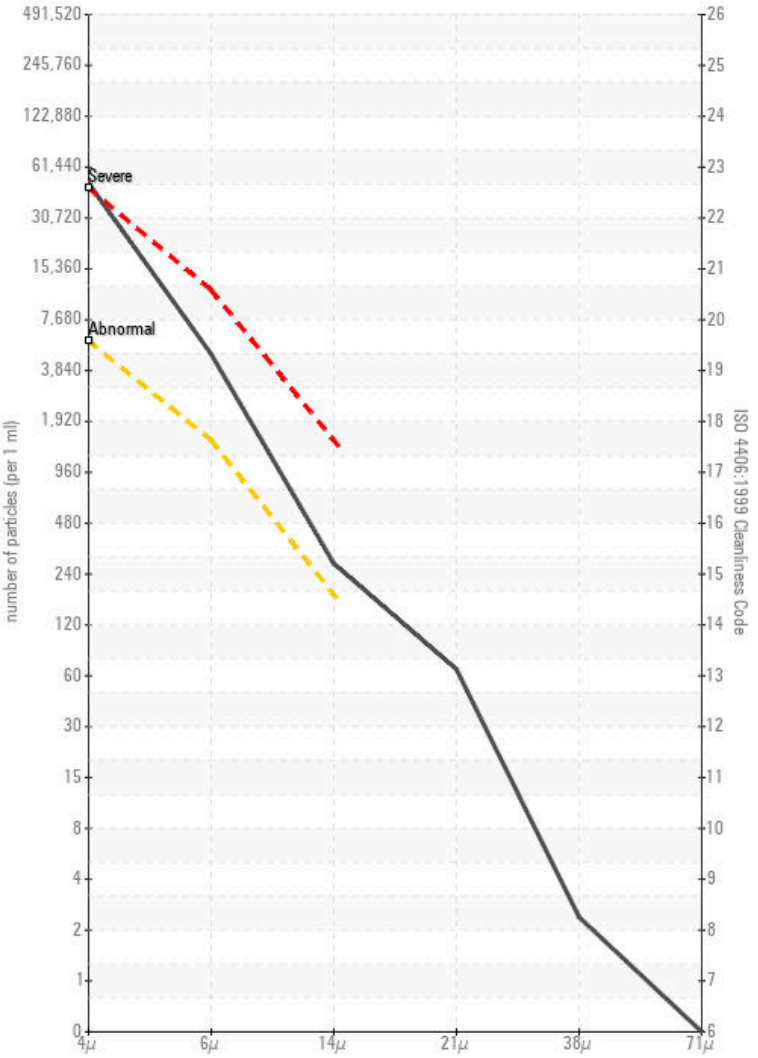
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number