CONSTRUCTION EQUIPMENT

737904 MARTIN MARIET VOLVO A45G 342066 - HYDRAULIC SYSTEM

Sample No: VCP282732
Oil Type: CHEVRON HYDRAULIC OIL AW ISO 46
Job No: 737904 MARTIN MARIET

ROMCO INC - AUSTIN BRANCH
1150 WEST OLD SETTLERS BOULEVARD
ROUNDROCK, TX
US 78681
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SAMPLE INFORMATION

Sample Number		**VCP282732**	---	---	---
Sample Date		**10 Apr 2024**	---	---	---
Machine Hours		**15989**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**66.33**	---	---	---
Acid Number (AN)	mg KOH/g	**0.92**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Silicon	ppm	**11**	---	---	---
Sodium	ppm	**1**	---	---	---
Potassium	ppm	**0**	---	---	---

WEAR METALS

Iron	ppm	**8**	---	---	---
Copper	ppm	**2**	---	---	---
Lead	ppm	**0**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**<1**	---	---	---
Chromium	ppm	**0**	---	---	---
Molybdenum	ppm	**0**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**2035**	---	---	---
Magnesium	ppm	**8**	---	---	---
Zinc	ppm	**776**	---	---	---
Phosphorus	ppm	**636**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**<1**	---	---	---

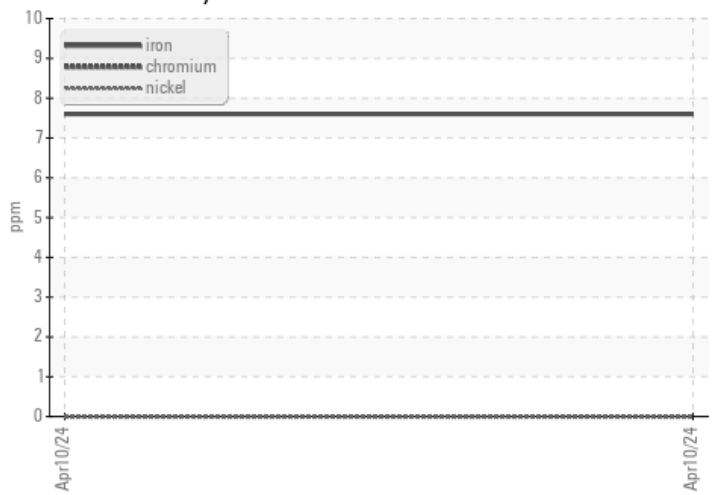
Diagnosis

Oil and filter change at the time of sampling has been noted. 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. Moderate concentration of visible dirt/debris present in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

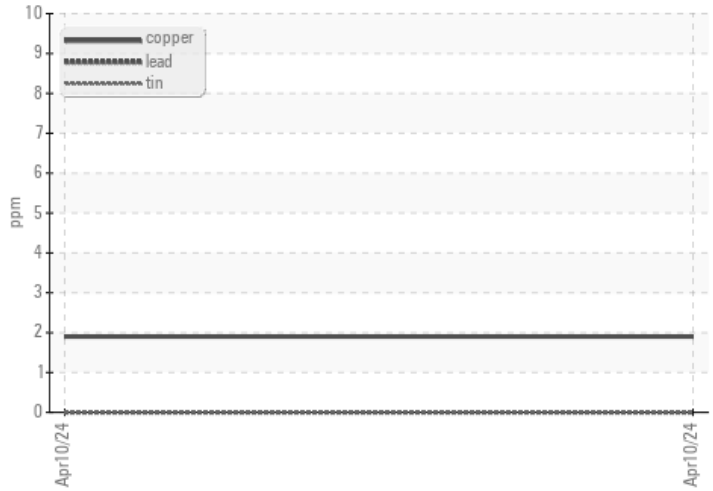
Depot: VOLVO0088
Unique No: 10994440
Signed: Jonathan Hester
Report Date: 30 Apr 2024

GRAPHS

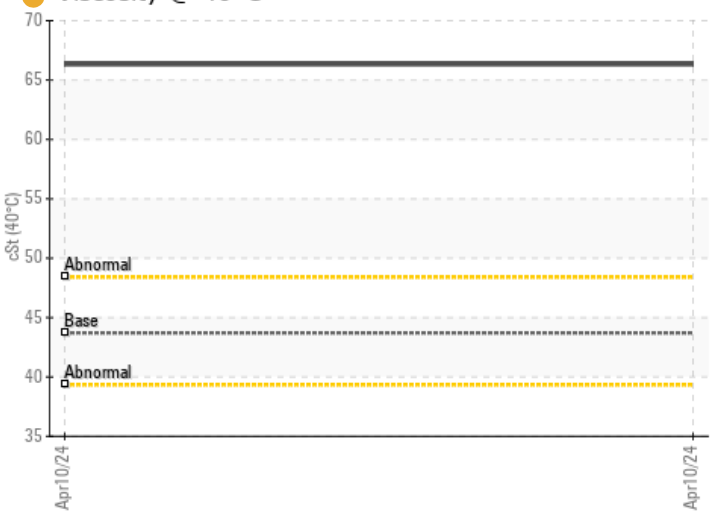
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number