



CONSTRUCTION EQUIPMENT

19807 MARTIN MARIETT VOLVO A45G 353495 - HYDRAULIC SYSTEM



Sample No: VCP418456
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 19807 MARTIN MARIETT



SAMPLE INFORMATION

Sample Number	VCP418456	VCP415646	---	---
Sample Date	02 Oct 2023	14 Jun 2023	---	---
Machine Hours	984	464	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

117 - ASCENDUM MACHINERY INC - GREENVILLE
 2002 N GREENE ST
 GREENVILLE, NC
 US 27834
 Contact: BRANDON JENKINS
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM
 T:
 F: (704)494-8197



OIL CONDITION

Visc @ 40°C	cSt	43.2	43.3	---	---
Acid Number (AN)	mg KOH/g	0.39	0.45	---	---



CONTAMINATION

Particles >4µm		19485	7058	---	---
Particles >6µm		5071	2291	---	---
Particles >14µm		211	212	---	---
ISO 4406:1999 (c)		21/20/15	20/18/15	---	---
Silicon	ppm	6	5	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	<1	1	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	4	2	---	---
Copper	ppm	<1	1	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	56	73	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	437	440	---	---
Phosphorus	ppm	298	323	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO8769
Unique No: 10701981
Signed: Wes Davis
Report Date: 23 Oct 2023

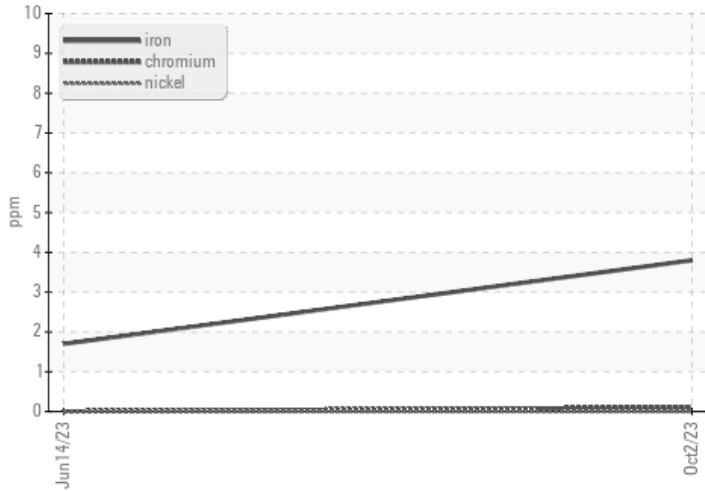


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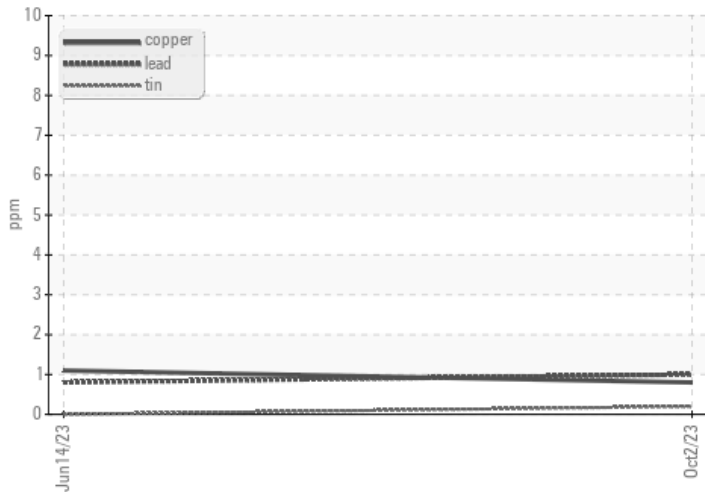


GRAPHS

Ferrous Alloys



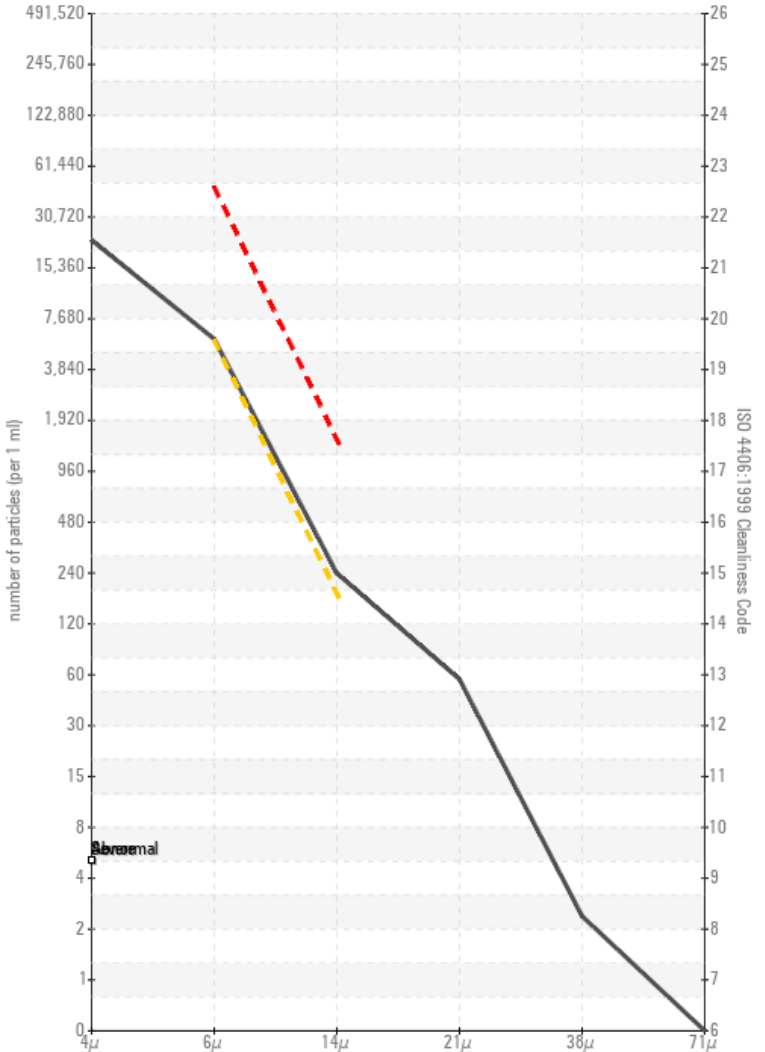
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

