



CONSTRUCTION EQUIPMENT

645826 ATLAS ORG VOLVO A25G 740339 - HYDRAULIC SYSTEM



Sample No: VCP431268
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 645826 ATLAS ORG



SAMPLE INFORMATION

Sample Number	VCP431268	VCP415540	VCP295930	---
Sample Date	06 Dec 2023	05 Jul 2023	04 Dec 2020	---
Machine Hours	10637	10070	4926	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	ATTENTION	ABNORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	44.7	44.6	48.5	---
Acid Number (AN)	mg KOH/g	0.62	0.57	0.422	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		15679	---	46574	---
Particles >6µm		4074	---	2014	---
Particles >14µm		318	---	25	---
ISO 4406:1999 (c)		21/19/15	---	23/18/12	---
Silicon	ppm	1	1	2	---
Sodium	ppm	3	2	2	---
Potassium	ppm	0	1	0	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	131	111	383	---
Magnesium	ppm	29	29	58	---
Zinc	ppm	451	463	424	---
Phosphorus	ppm	393	412	377	---
Barium	ppm	0	<1	0	---
Boron	ppm	16	10	18	---

Depot: VOLVO0093
Unique No: 10780274
Signed: Don Baldrige
Report Date: 13 Dec 2023

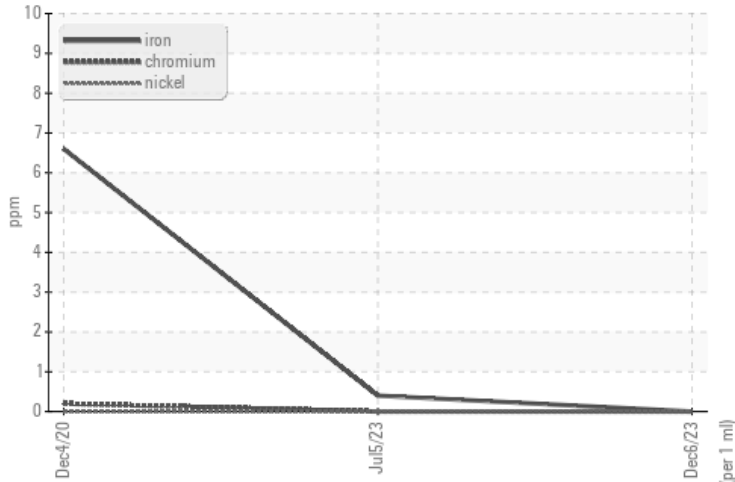


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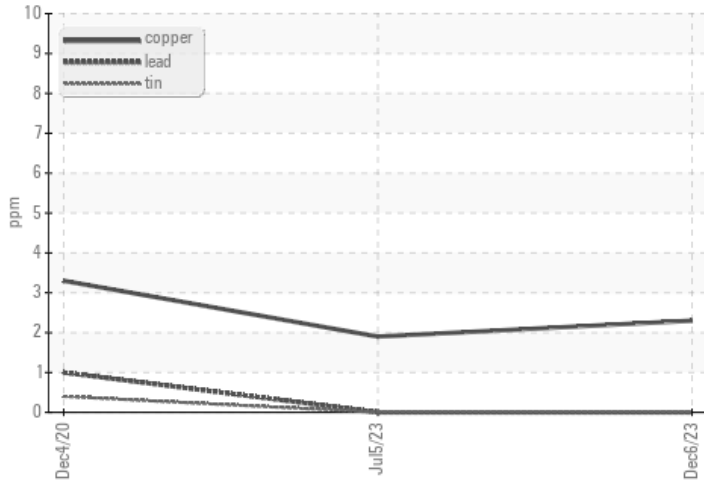


GRAPHS

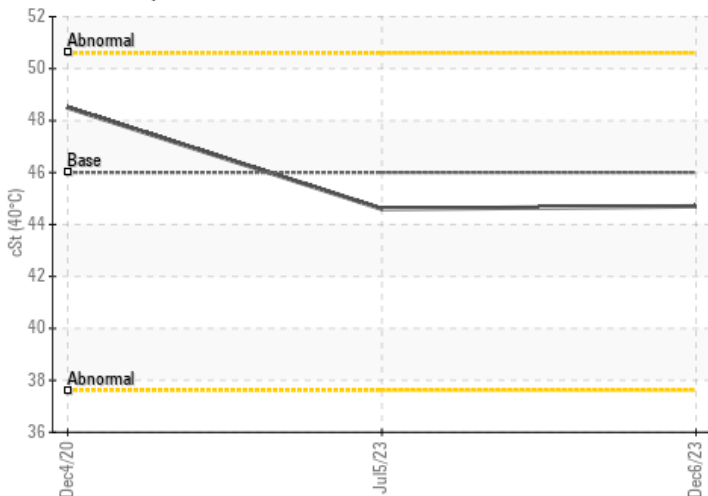
Ferrous Alloys



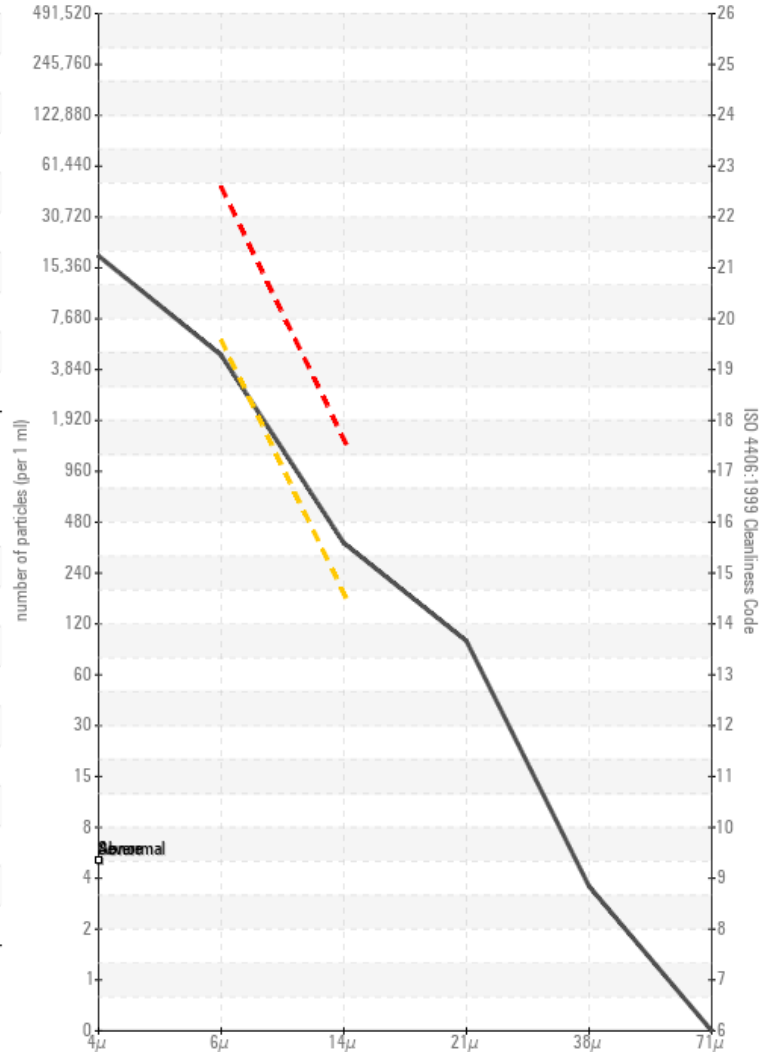
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

