



CONSTRUCTION EQUIPMENT

687813 VOLVO A30G 752847 - HYDRAULIC SYSTEM



Sample No: VCP446346
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 687813



SAMPLE INFORMATION

Sample Number	VCP446346	VCP392512	---	---
Sample Date	16 Mar 2024	15 Mar 2023	---	---
Machine Hours	3292	1063	---	---
Oil Hours	3292	1063	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	47.8	44.9	---	---
Acid Number (AN)	mg KOH/g	0.36	0.38	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		6215	2434	---	---
Particles >6µm		1468	497	---	---
Particles >14µm		40	29	---	---
ISO 4406:1999 (c)		20/18/12	18/16/12	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	0	<1	---	---

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.



WEAR METALS

Iron	ppm	6	4	---	---
Copper	ppm	2	1	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	92	65	---	---
Magnesium	ppm	3	5	---	---
Zinc	ppm	417	464	---	---
Phosphorus	ppm	333	361	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	0	0	---	---

Depot: RIPTAM
Unique No: 11018640
Signed: Wes Davis
Report Date: 09 May 2024

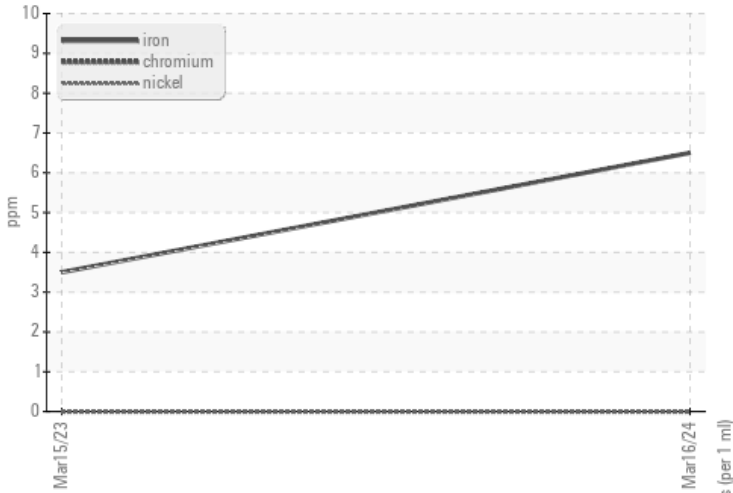


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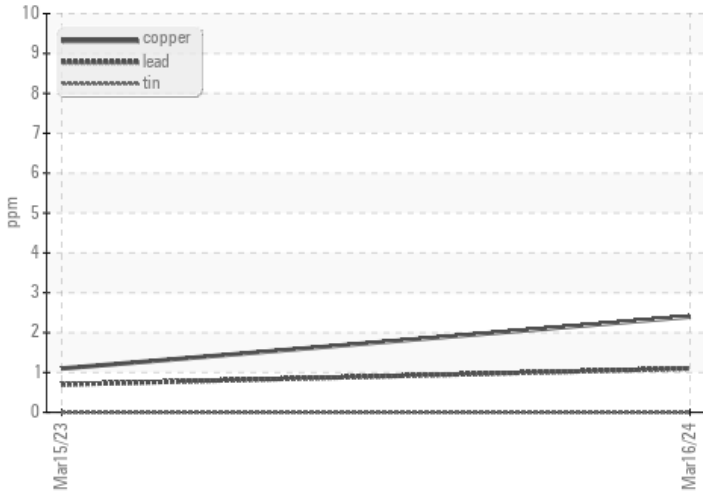


GRAPHS

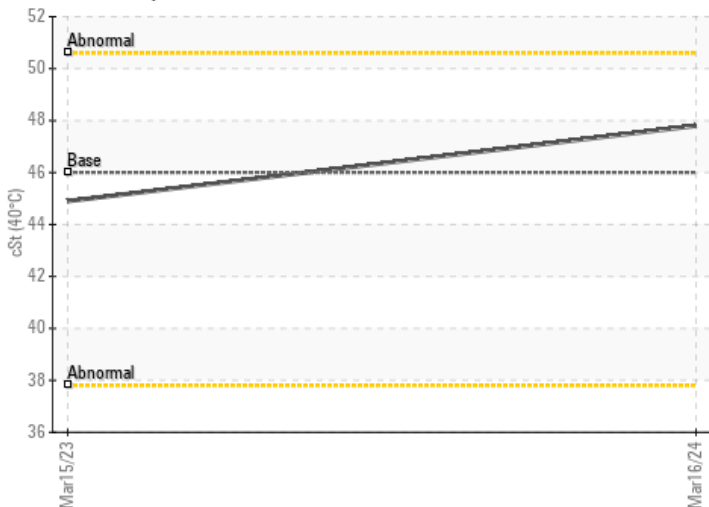
Ferrous Alloys



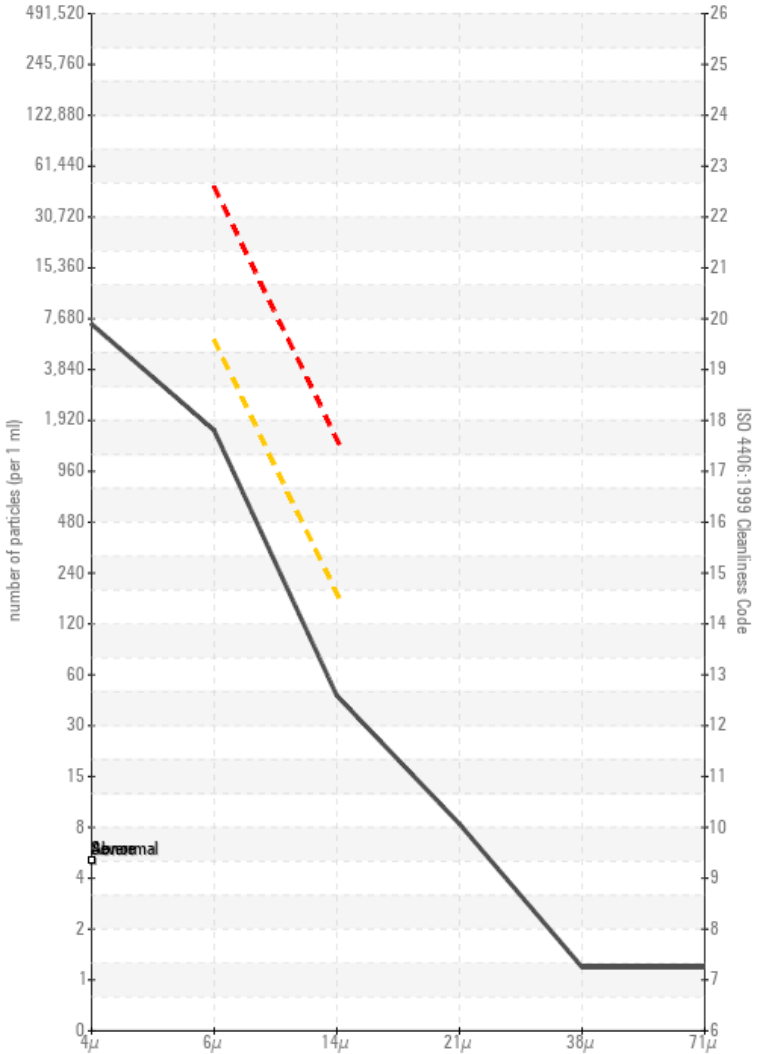
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

