



CONSTRUCTION EQUIPMENT

VOLVO A30G 742101 - HYDRAULIC SYSTEM



Sample No: VCP419211
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP419211	VCP398588	---	---
Sample Date	29 Sep 2023	09 Dec 2022	---	---
Machine Hours	5980	5682	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	NORMAL	ATTENTION	---	---

ALTA EQUIPMENT
 5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JOSH GAVIN

OIL CONDITION

Visc @ 40°C	cSt	44.5	42.7	---	---
Acid Number (AN)	mg KOH/g	0.37	0.38	---	---

T: (585)344-1931
 F: (315)437-8558

CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		25163	14406	---	---
Particles >6µm		1222	4500	---	---
Particles >14µm		17	300	---	---
ISO 4406:1999 (c)		22/17/11	21/19/15	---	---
Silicon	ppm	7	10	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	<1	<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	11	11	---	---
Copper	ppm	7	7	---	---
Lead	ppm	2	2	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	1	3	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	416	284	---	---
Magnesium	ppm	9	6	---	---
Zinc	ppm	537	485	---	---
Phosphorus	ppm	405	398	---	---
Barium	ppm	0	0	---	---
Boron	ppm	10	3	---	---

Depot: VOLV00142
Unique No: 10682267
Signed: Wes Davis
Report Date: 06 Oct 2023

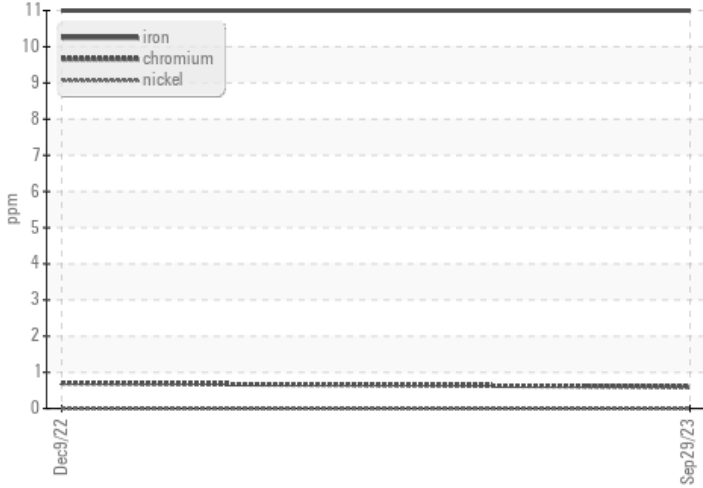


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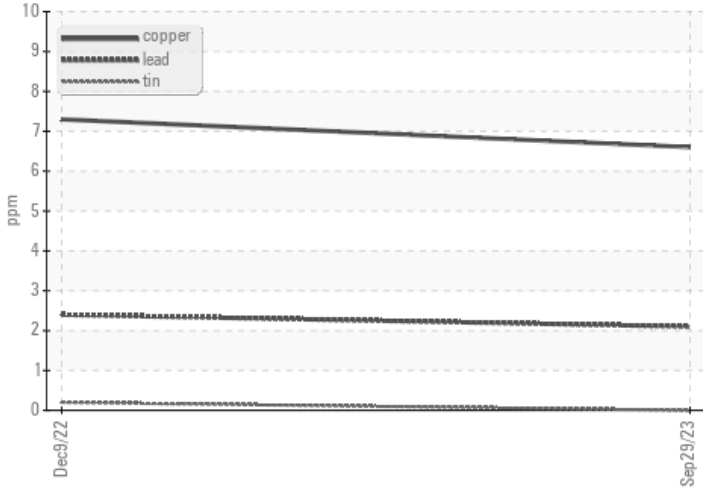


GRAPHS

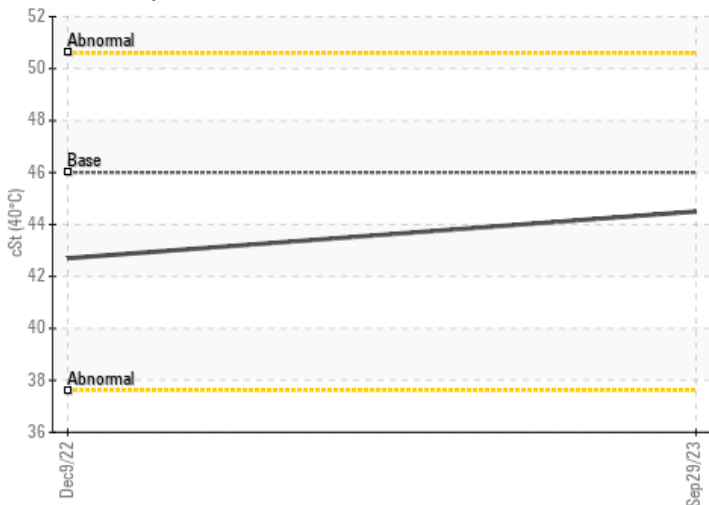
Ferrous Alloys



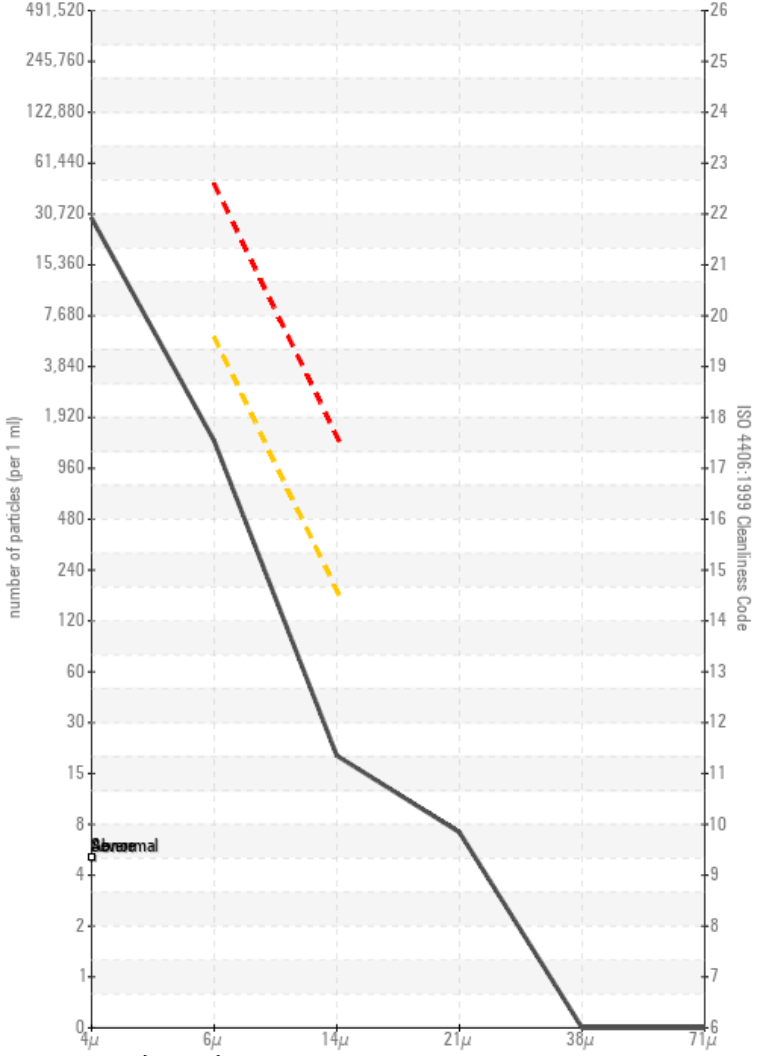
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

