



CONSTRUCTION EQUIPMENT

A10936 VOLVO A30G 742440 - HYDRAULIC SYSTEM



Sample No: VCP412024
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A10936



SAMPLE INFORMATION

Sample Number	VCP412024	VCP362174	VCP261243	---
Sample Date	25 Aug 2023	05 Mar 2022	30 Oct 2020	---
Machine Hours	3180	1990	1040	---
Oil Hours	3180	1990	1040	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ATTENTION	ABNORMAL	ABNORMAL	---

K C CONSTRUCTION
 1737 STOUT DRIVE
 IVYLAND, PA
 US 18974
 Contact: DUKE D.
 duked@kcconstruct.com
 T: (267)784-7337
 F: x:



OIL CONDITION

Visc @ 40°C	cSt	45.9	46.5	47.3	---
Acid Number (AN)	mg KOH/g	0.36	0.37	0.473	---



CONTAMINATION

Water	%	---	---	▲ 0.188	---
Particles >4µm		13558	64897	---	---
Particles >6µm		3600	▲ 15836	---	---
Particles >14µm		▲ 175	▲ 774	---	---
ISO 4406:1999 (c)		21/19/15	23/21/17	---	---
Silicon	ppm	6	5	4	---
Sodium	ppm	1	<1	0	---
Potassium	ppm	0	1	0	---

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. 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 suitable for further service.



WEAR METALS

Iron	ppm	8	8	5	---
Copper	ppm	6	6	5	---
Lead	ppm	4	3	3	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	4	2	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	<1	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	124	135	118	---
Magnesium	ppm	3	<1	1	---
Zinc	ppm	466	513	461	---
Phosphorus	ppm	361	377	356	---
Barium	ppm	0	0	0	---
Boron	ppm	0	2	0	---

Depot: KCCIVY
Unique No: 10648649
Signed: Jonathan Hester
Report Date: 20 Sep 2023

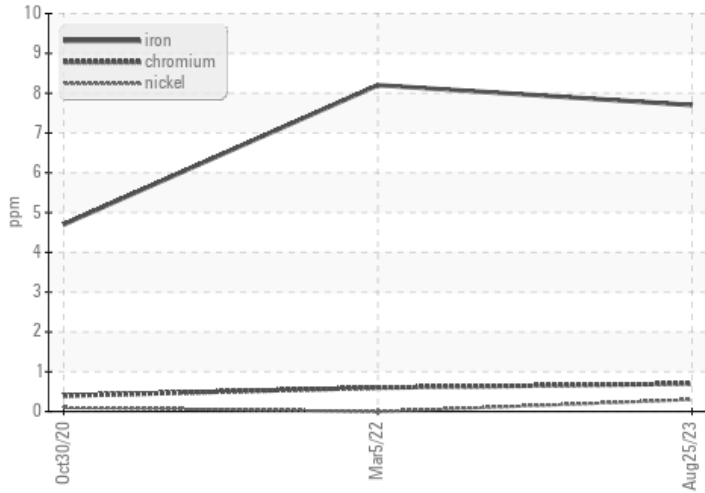


CONSTRUCTION EQUIPMENT

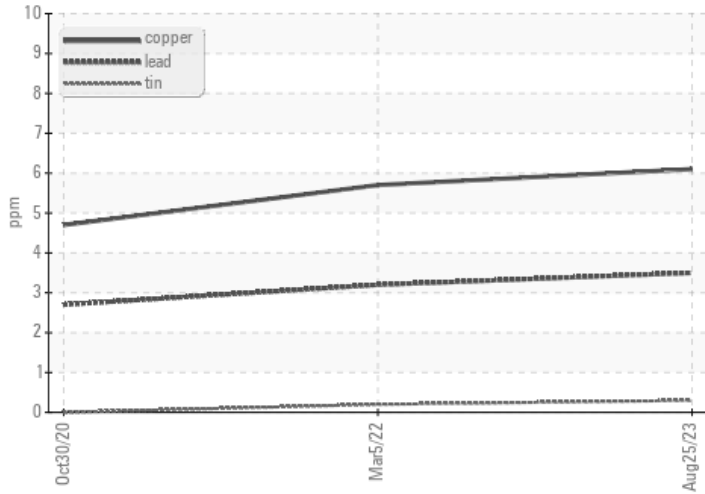


VOLVO GRAPHS

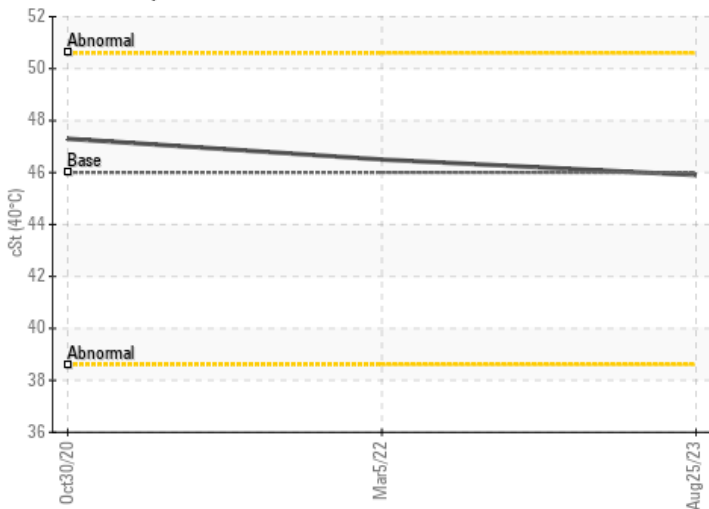
Ferrous Alloys



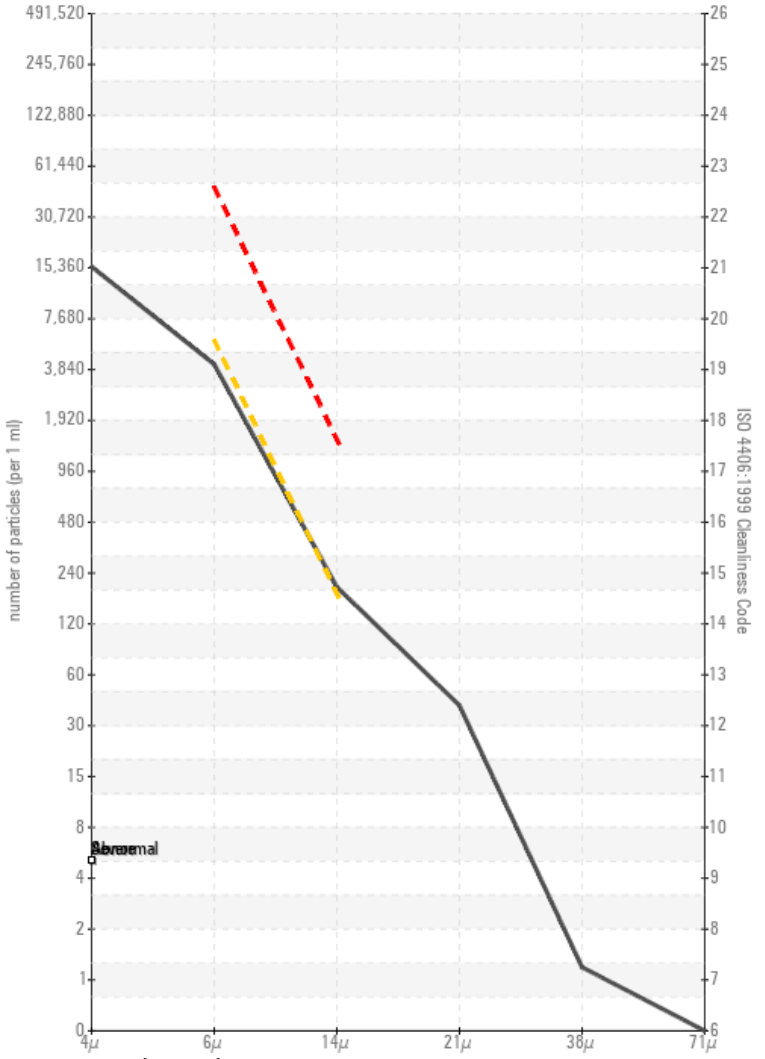
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

