

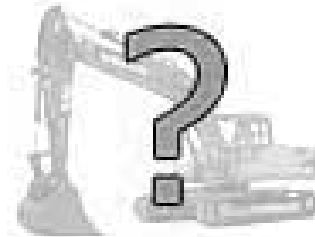


CONSTRUCTION EQUIPMENT

SENNEBOGEN 830M 830.0.2862 - HYDRAULIC SYSTEM



Sample No: VCP398014
Oil Type: OIL PRO AW 68
Job No:



SAMPLE INFORMATION

Sample Number	VCP398014	VCP0003001	---	---
Sample Date	26 Jun 2023	26 Jul 2022	---	---
Machine Hours	5535	3997	---	---
Oil Hours	1500	3997	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ATTENTION	---	---

COMMERCIAL METALS COMPANY

410 ATANDO AVE
 CHARLOTTE, NC
 US 28206

Contact: JOHN PELOSO
 john.peloso@cmc.com
 T: (813)613-5034
 F:



OIL CONDITION

Visc @ 40°C	cSt	48.3	45.3	---	---
Acid Number (AN)	mg KOH/g	0.51	0.35	---	---



CONTAMINATION

Particles >4µm		2499	5395	---	---
Particles >6µm		735	1440	---	---
Particles >14µm		72	105	---	---
ISO 4406:1999 (c)		18/17/13	20/18/14	---	---
Silicon	ppm	11	0	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	2	0	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.



WEAR METALS

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



ADDITIVES

Calcium	ppm	77	26	---	---
Magnesium	ppm	17	36	---	---
Zinc	ppm	349	219	---	---
Phosphorus	ppm	302	199	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	1	---	---

Depot: COMCHAVC
Unique No: 10537864
Signed: Don Baldrige
Report Date: 03 Jul 2023

Submitted By: CHRISTOPHER CANIPE

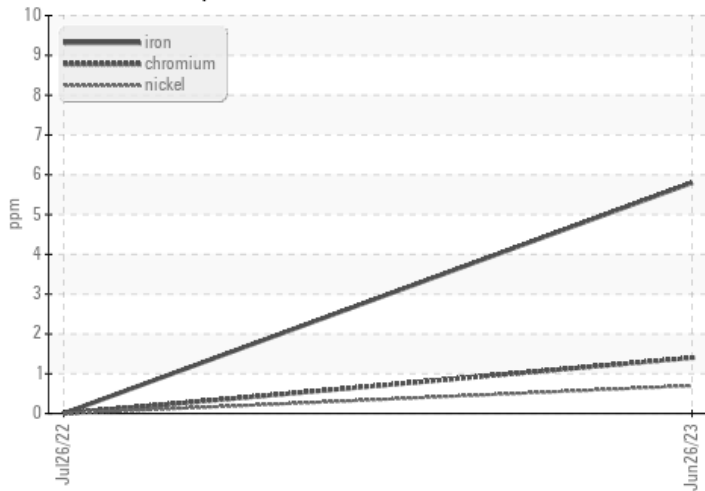


CONSTRUCTION EQUIPMENT

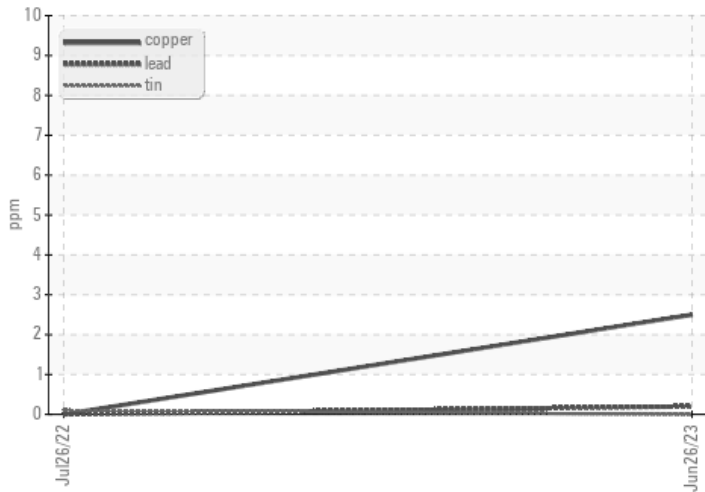


GRAPHS

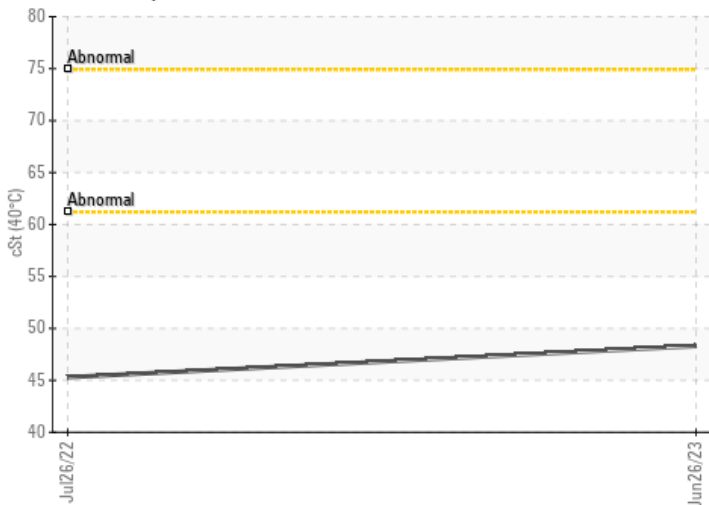
Ferrous Alloys



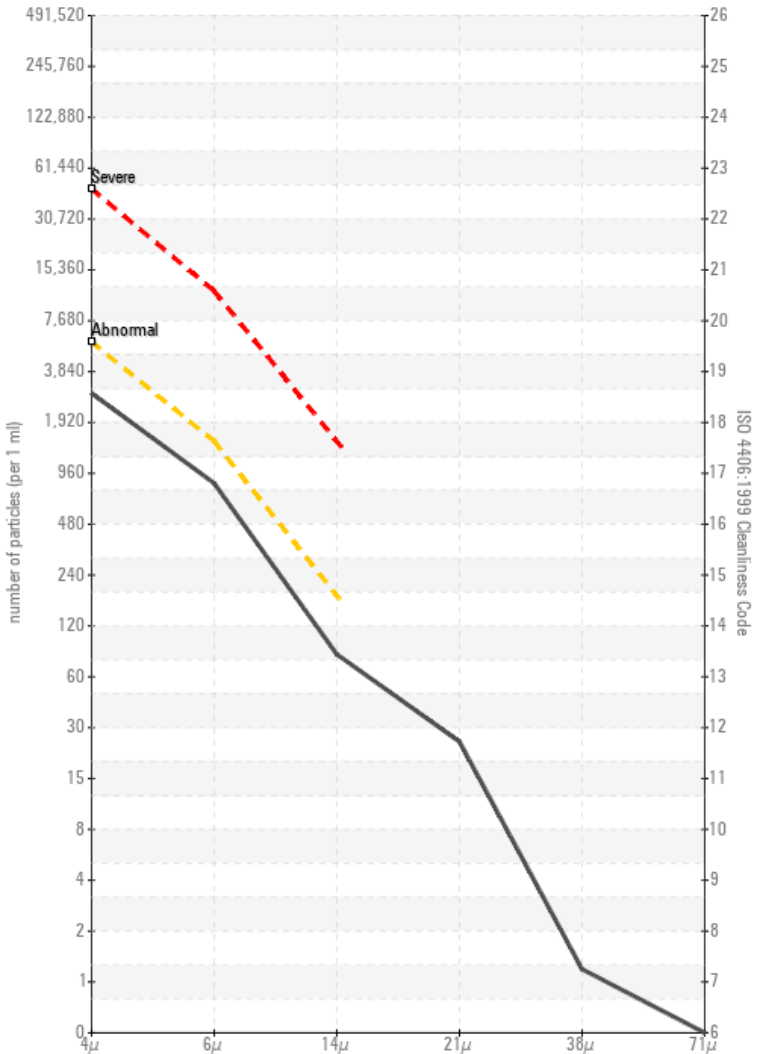
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

