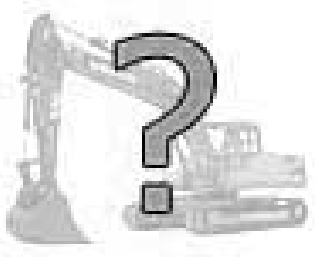
CONSTRUCTION EQUIPMENT
433 SAKAI 3SV24-40188 - HYDRAULIC SYSTEM

Sample No: VCP413617
Oil Type: SHELL TELLUS S2 MX 46
Job No: 433



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SAMPLE INFORMATION

Sample Number		**VCP413617**	---	---	---
Sample Date		**27 Oct 2023**	---	---	---
Machine Hours		**2600**	---	---	---
Oil Hours		**1000**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ATTENTION**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**45.7**	---	---	---
Acid Number (AN)	mg KOH/g	**0.45**	---	---	---

CONTAMINATION

Particles >4µm		**4999**	---	---	---
Particles >6µm		**1435**	---	---	---
Particles >14µm		**144**	---	---	---
ISO 4406:1999 (c)		**19/18/14**	---	---	---
Silicon	ppm	**1**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**0**	---	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	**222**	---	---	---
Magnesium	ppm	**35**	---	---	---
Zinc	ppm	**363**	---	---	---
Phosphorus	ppm	**308**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**<1**	---	---	---

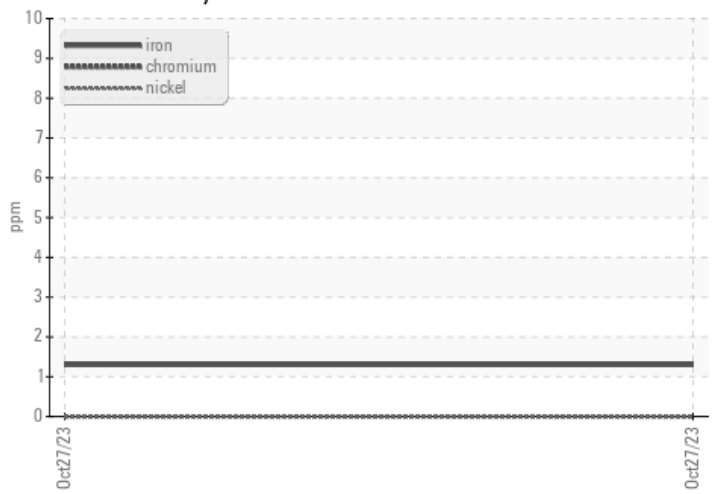
Diagnosis

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 light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

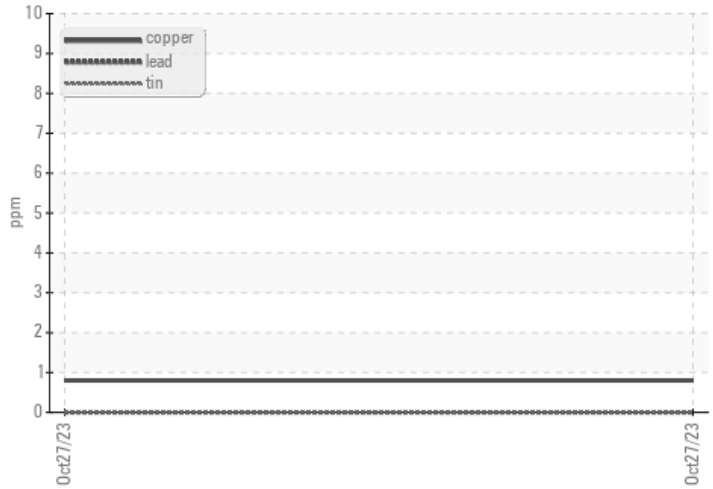
Depot: TOTGAI
Unique No: 10735969
Signed: Wes Davis
Report Date: 09 Nov 2023

GRAPHS

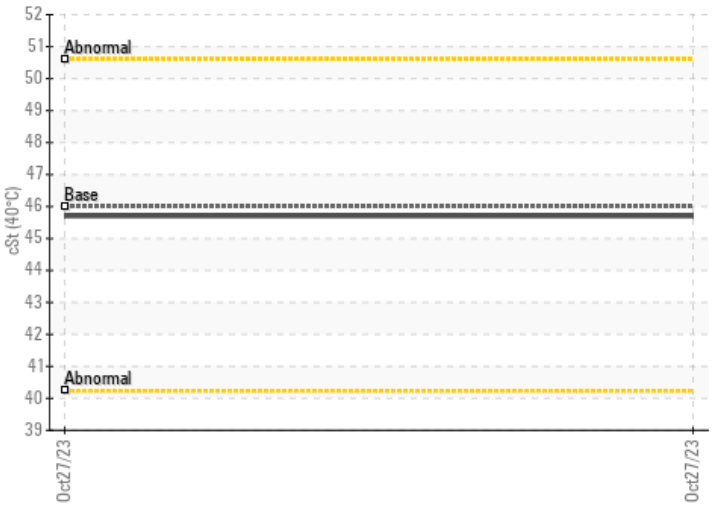
Ferrous Alloys



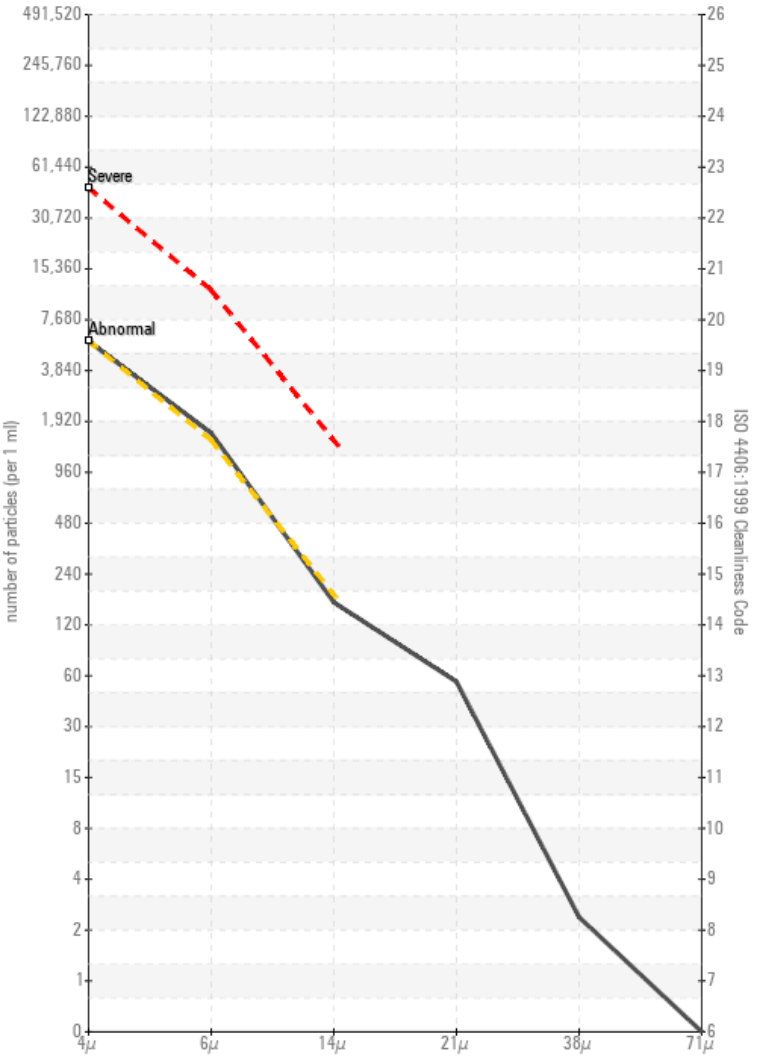
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number