Sample No: VCP428708

Oil Type: NOT GIVEN

Job No: SWO-068518

SAMPLE INFORMATION

Sample Number		**VCP428708**	VCP380799	---	---
Sample Date		**27 Dec 2023**	16 Jan 2023	---	---
Machine Hours		**1840**	674	---	---
Oil Hours		**0**	0	---	---
Oil Changed		**Not Changd**	Not Changd	---	---
Sample Status		**ABNORMAL**	ABNORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	**47.6**	46.4	---	---
Acid Number (AN)	mg KOH/g	**0.56**	0.85	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Particles >4µm		**---**	⚠ 20568	---	---
Particles >6µm		**---**	⚠ 3714	---	---
Particles >14µm		**---**	100	---	---
ISO 4406:1999 (c)		**---**	22/19/14	---	---
Silicon	ppm	**5**	8	---	---
Sodium	ppm	**2**	0	---	---
Potassium	ppm	**0**	2	---	---

WEAR METALS

Iron	ppm	**6**	7	---	---
Copper	ppm	**10**	22	---	---
Lead	ppm	**0**	2	---	---
Tin	ppm	**0**	0	---	---
Aluminum	ppm	**<1**	<1	---	---
Chromium	ppm	**0**	<1	---	---
Molybdenum	ppm	**11**	20	---	---
Nickel	ppm	**0**	0	---	---
Titanium	ppm	**0**	0	---	---
Silver	ppm	**0**	0	---	---
Manganese	ppm	**0**	<1	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**493**	3544	---	---
Magnesium	ppm	**79**	61	---	---
Zinc	ppm	**548**	732	---	---
Phosphorus	ppm	**451**	599	---	---
Barium	ppm	**0**	0	---	---
Boron	ppm	**15**	13	---	---

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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. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: WHIGUN

Unique No: 10809368

Signed: Don Baldridge

Report Date: 03 Jan 2024

GRAPHS

Ferrous Alloys

Legend: iron, chromium, nickel
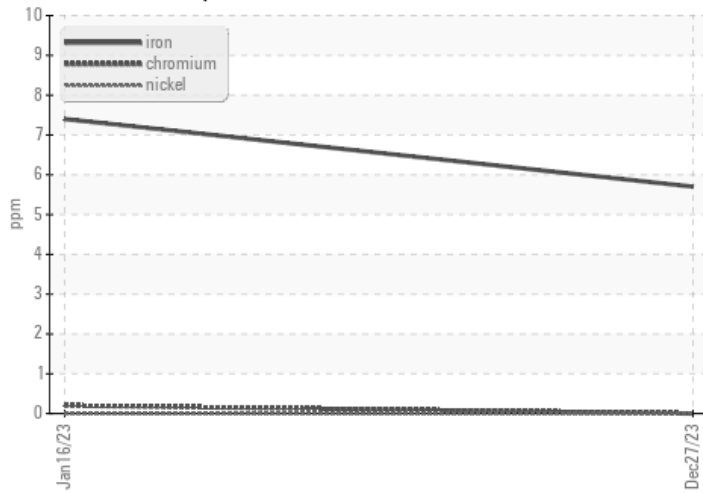
Non-ferrous Metals

Legend: copper, lead, tin
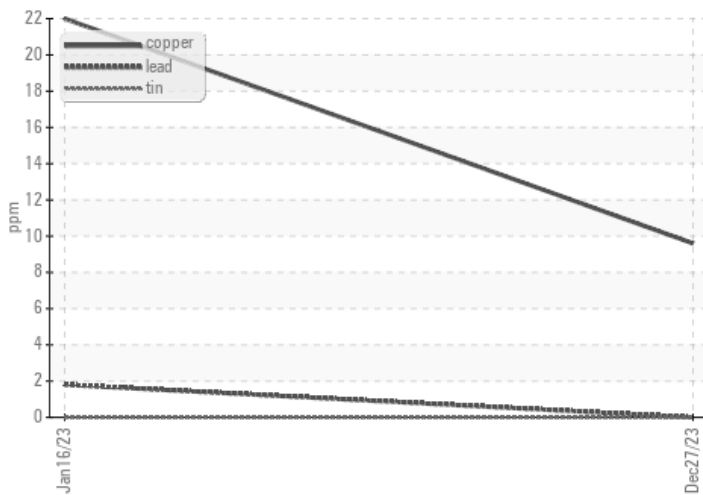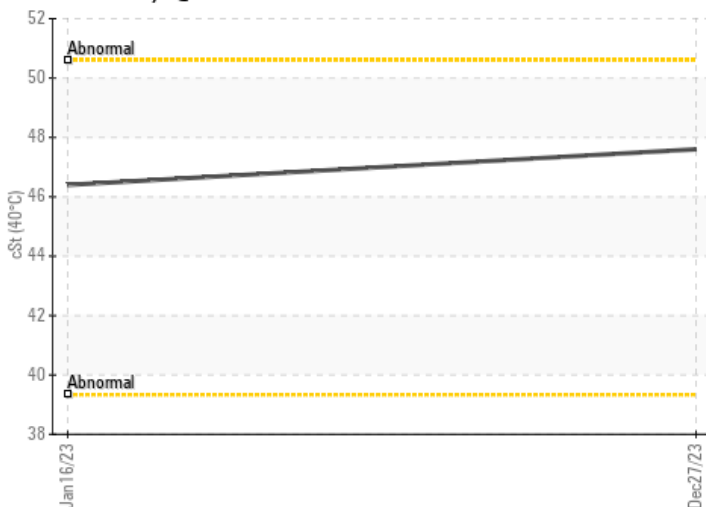
Viscosity @ 40°C

Acid Number