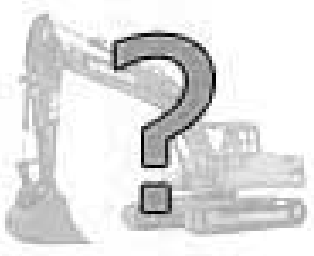
CONSTRUCTION EQUIPMENT

X48736 KOBELCO SK300 605118 - HYDRAULIC SYSTEM

Sample No: VCP414615
Oil Type: {unknown}
Job No: X48736



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SAMPLE INFORMATION

Sample Number		**VCP414615**	---	---	---
Sample Date		**18 Mar 2024**	---	---	---
Machine Hours		**2849**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**N/A**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**45.75**	---	---	---
Acid Number (AN)	mg KOH/g	**0.38**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**197011**	---	---	---
Particles >6µm		**15106**	---	---	---
Particles >14µm		**239**	---	---	---
ISO 4406:1999 (c)		**25/21/15**	---	---	---
Silicon	ppm	**38**	---	---	---
Sodium	ppm	**3**	---	---	---
Potassium	ppm	**3**	---	---	---

WEAR METALS

Iron	ppm	**35**	---	---	---
Copper	ppm	**13**	---	---	---
Lead	ppm	**1**	---	---	---
Tin	ppm	**<1**	---	---	---
Aluminum	ppm	**6**	---	---	---
Chromium	ppm	**3**	---	---	---
Molybdenum	ppm	**<1**	---	---	---
Nickel	ppm	**<1**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**<1**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**<1**	---	---	---

ADDITIVES

Calcium	ppm	**175**	---	---	---
Magnesium	ppm	**17**	---	---	---
Zinc	ppm	**394**	---	---	---
Phosphorus	ppm	**384**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**1**	---	---	---

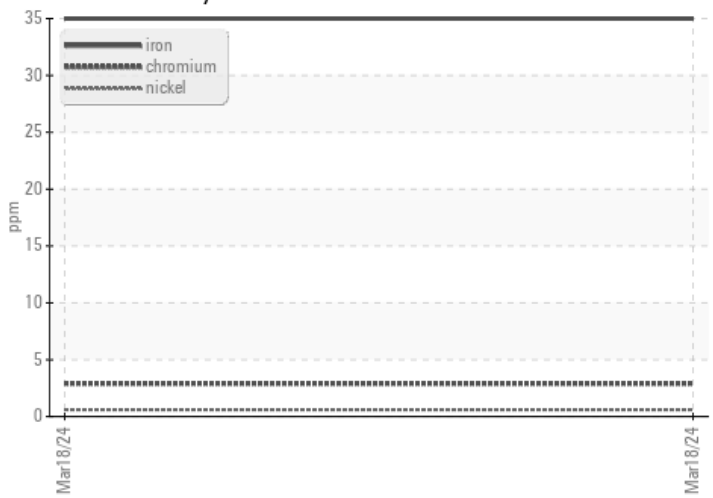
Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor.The iron level is abnormal. All other component wear rates are normal. There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid.

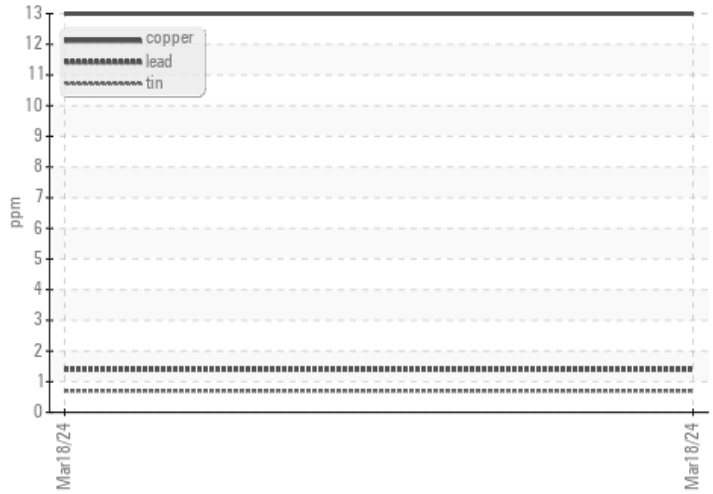
Depot: VOLVO6244
Unique No: 10940996
Signed: Jonathan Hester
Report Date: 02 Apr 2024

GRAPHS

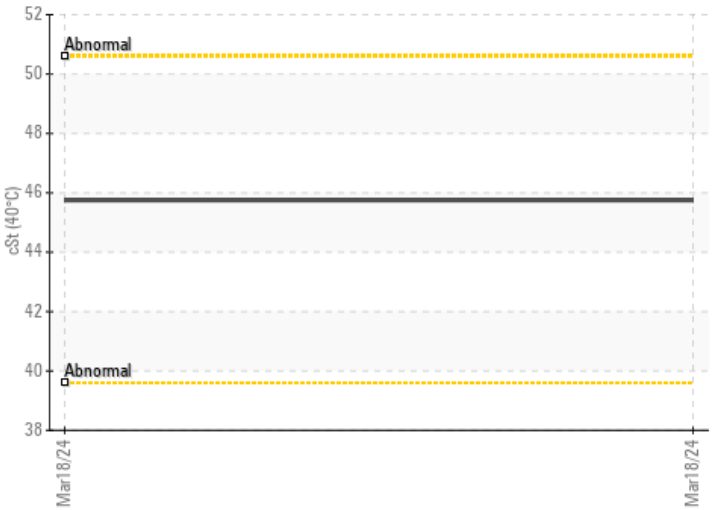
Ferrous Alloys



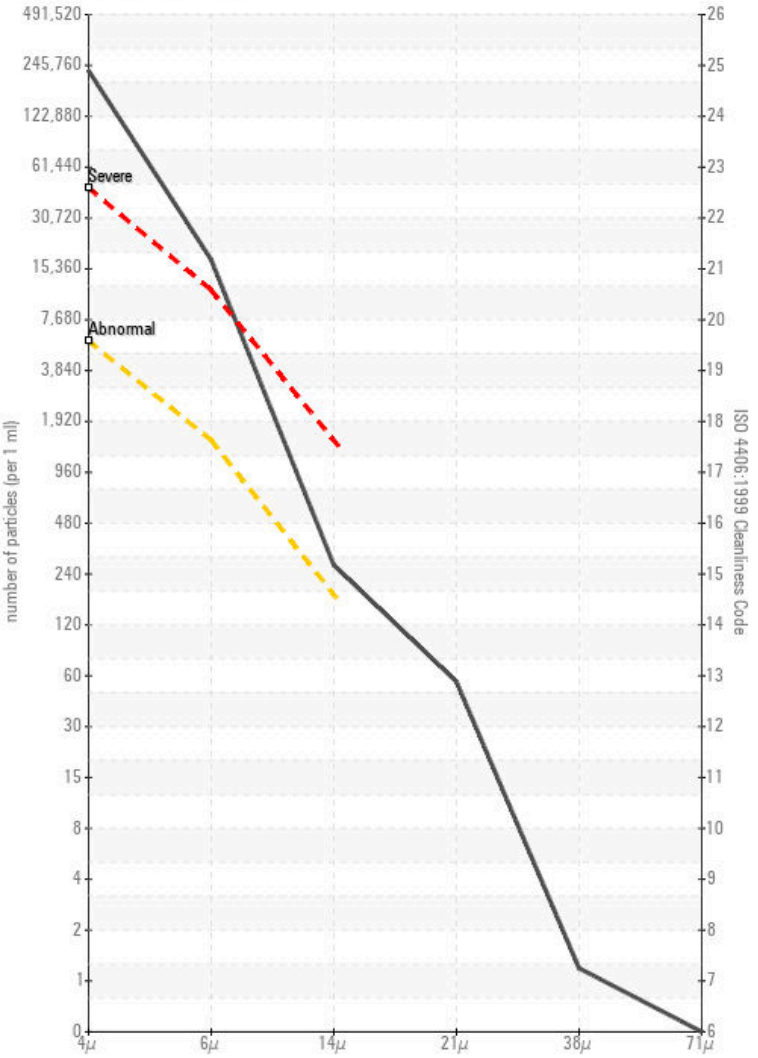
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number