



# CONSTRUCTION EQUIPMENT

SOUTHLAND TAKEUCHI TB235 604814 - HYDRAULIC SYSTEM



**Sample No:** VCP454525  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SOUTHLAND



## SAMPLE INFORMATION

Sample Number	VCP454525	---	---	---
Sample Date	17 May 2024	---	---	---
Machine Hours	529	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 47.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.12	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 10681	---	---	---
Particles >6µm		█ 833	---	---	---
Particles >14µm		█ 54	---	---	---
ISO 4406:1999 (c)		21/17/13	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

**Diagnosis**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high 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.

## WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 149	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 120	---	---	---
Phosphorus	ppm	█ 312	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO0096  
**Unique No:** 11047129  
**Signed:** Don Baldrige  
**Report Date:** 29 May 2024

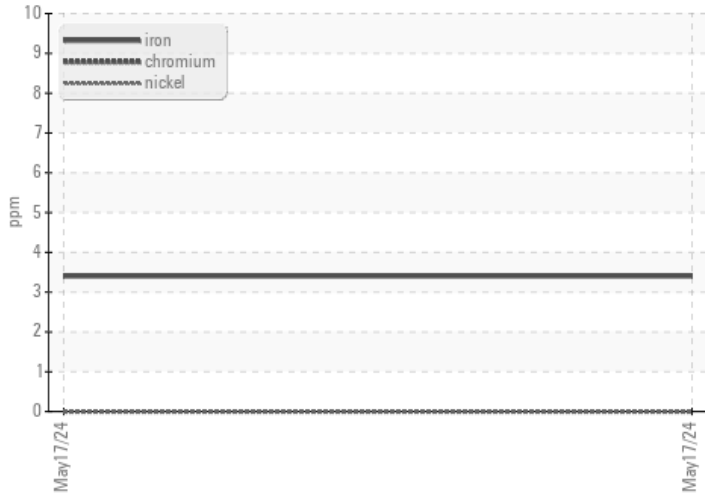


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## GRAPHS

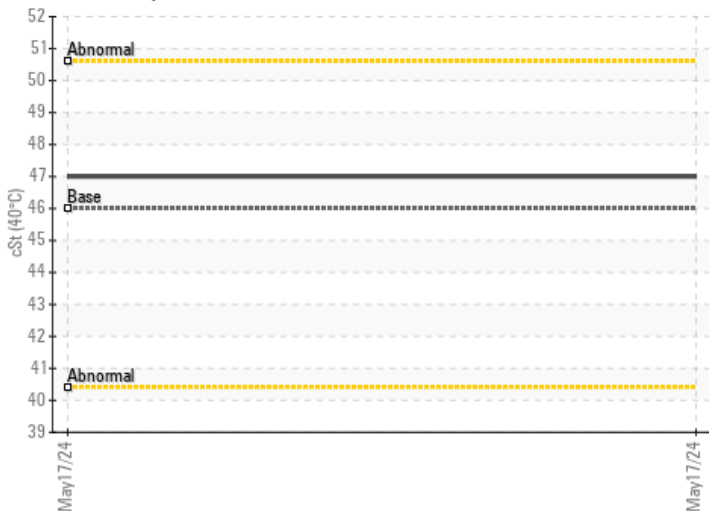
### Ferrous Alloys



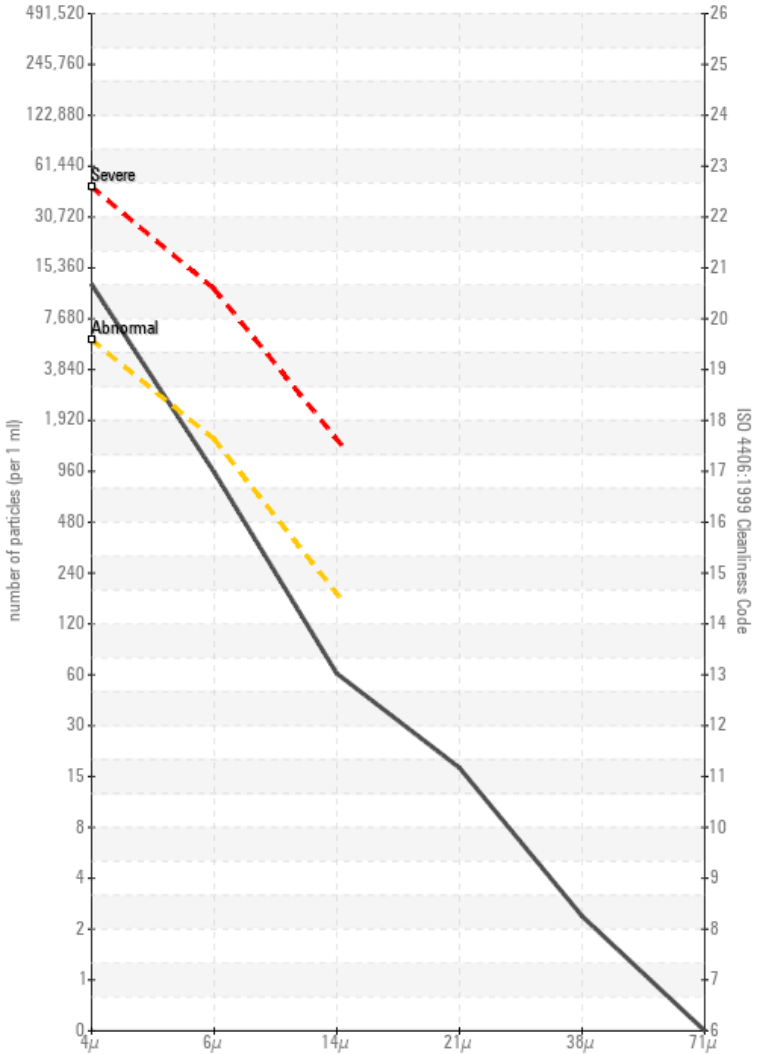
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

