CONSTRUCTION EQUIPMENT

586638 RYAN TAKEUCHI TL10 410004839 - HYDRAULIC SYSTEM

Sample No: VCP450628
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 586638 RYAN

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SAMPLE INFORMATION

Sample Number		**VCP450628**	VCP399249	---	---
Sample Date		**14 Jun 2024**	14 Dec 2022	---	---
Machine Hours		**1777**	614	---	---
Oil Hours		**700**	0	---	---
Oil Changed		**Not Changd**	Not Changd	---	---
Sample Status		**NORMAL**	ATTENTION	---	---

OIL CONDITION

Visc @ 40°C	cSt	**45.8**	46.0	---	---
Acid Number (AN)	mg KOH/g	**0.93**	0.86	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Particles >4µm		**3151**	7163	---	---
Particles >6µm		**544**	2033	---	---
Particles >14µm		**11**	287	---	---
ISO 4406:1999 (c)		**19/16/11**	20/18/15	---	---
Silicon	ppm	**8**	6	---	---
Sodium	ppm	**5**	<1	---	---
Potassium	ppm	**4**	1	---	---

WEAR METALS

Iron	ppm	**6**	5	---	---
Copper	ppm	**29**	15	---	---
Lead	ppm	**2**	2	---	---
Tin	ppm	**<1**	<1	---	---
Aluminum	ppm	**3**	3	---	---
Chromium	ppm	**0**	<1	---	---
Molybdenum	ppm	**8**	11	---	---
Nickel	ppm	**<1**	0	---	---
Titanium	ppm	**<1**	<1	---	---
Silver	ppm	**<1**	1	---	---
Manganese	ppm	**<1**	<1	---	---
Vanadium	ppm	**0**	<1	---	---

ADDITIVES

Calcium	ppm	**2842**	2825	---	---
Magnesium	ppm	**48**	48	---	---
Zinc	ppm	**829**	789	---	---
Phosphorus	ppm	**680**	614	---	---
Barium	ppm	**0**	0	---	---
Boron	ppm	**13**	17	---	---

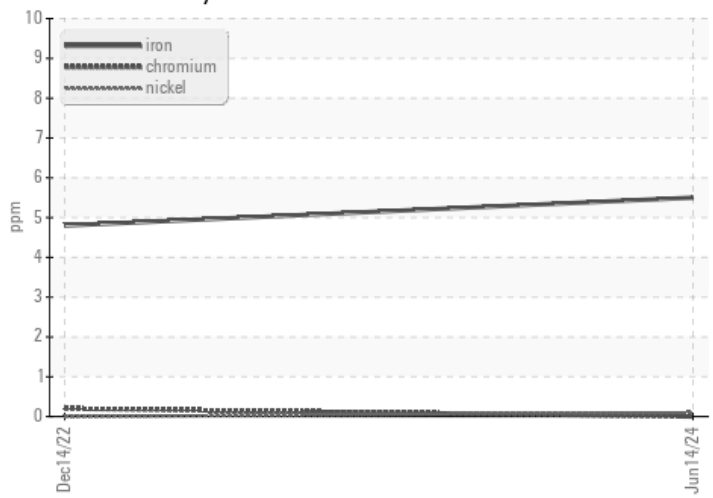
Diagnosis

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. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

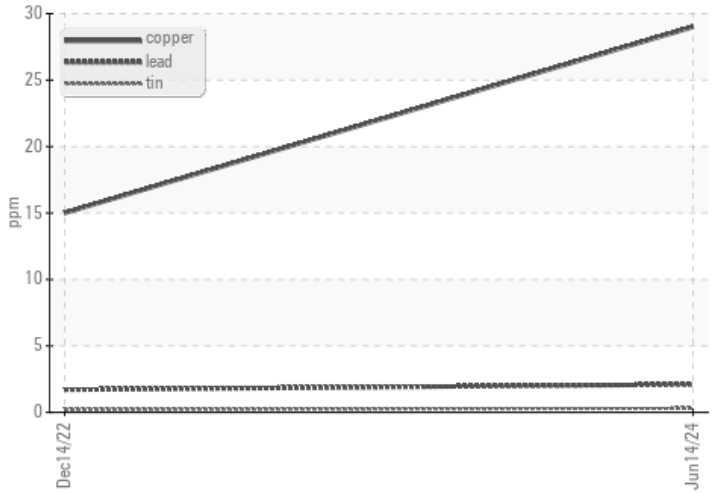
Depot: VOLVO0096
Unique No: 11088608
Signed: Don Baldridge
Report Date: 22 Jun 2024

GRAPHS

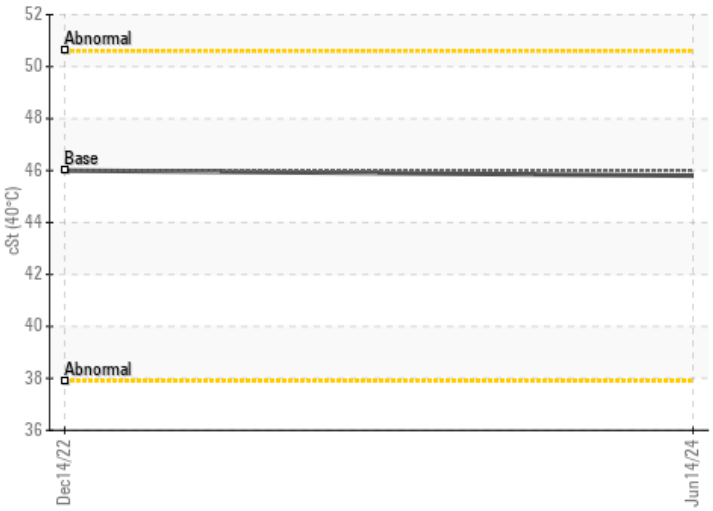
Ferrous Alloys



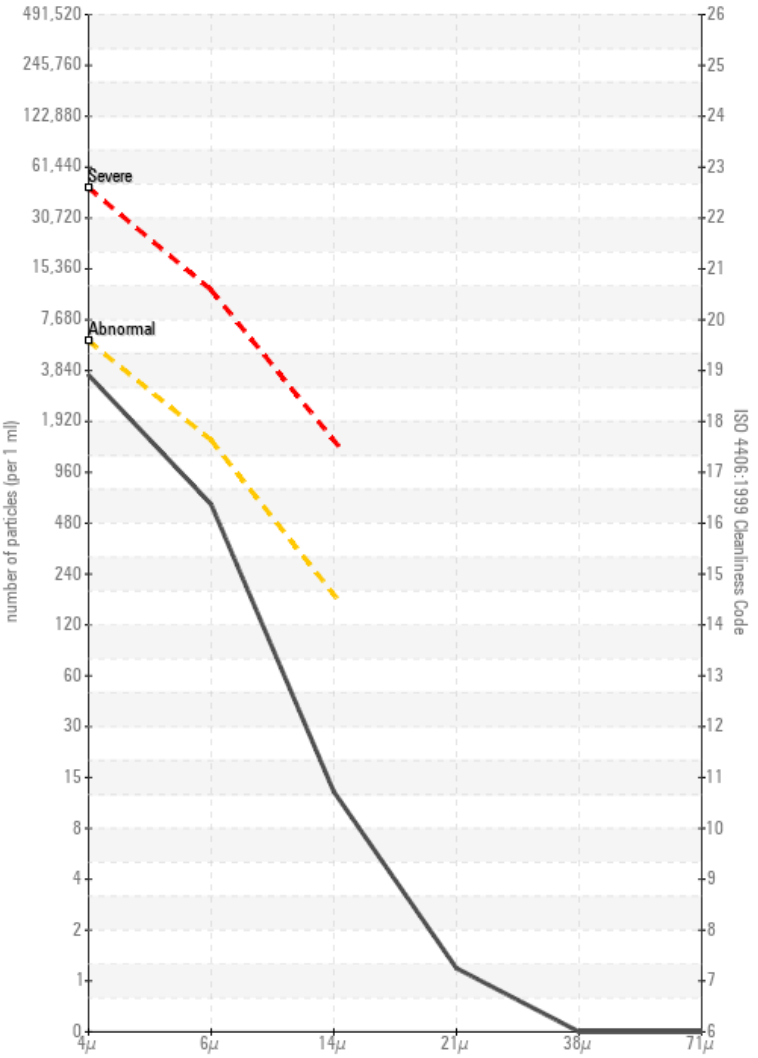
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number