



CONSTRUCTION EQUIPMENT

SWA425860 TAKEUCHI TL12R2 412101972 - HYDRAULIC SYSTEM



Sample No: VCP436155
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA425860



SAMPLE INFORMATION

Sample Number	VCP436155	---	---	---
Sample Date	15 Dec 2023	---	---	---
Machine Hours	1840	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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5151 DR MARTIN LUTHER KING BLVD
FORT MYERS, FL
US 33905
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T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 49.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 1.00	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 3069	---	---	---
Particles >6µm		█ 486	---	---	---
Particles >14µm		█ 35	---	---	---
ISO 4406:1999 (c)		19/16/12	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 20	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 30	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1365	---	---	---
Magnesium	ppm	█ 75	---	---	---
Zinc	ppm	█ 710	---	---	---
Phosphorus	ppm	█ 665	---	---	---
Barium	ppm	█ 7	---	---	---
Boron	ppm	█ 60	---	---	---

Depot: VOLVO0090
Unique No: 10795795
Signed: Jonathan Hester
Report Date: 22 Dec 2023

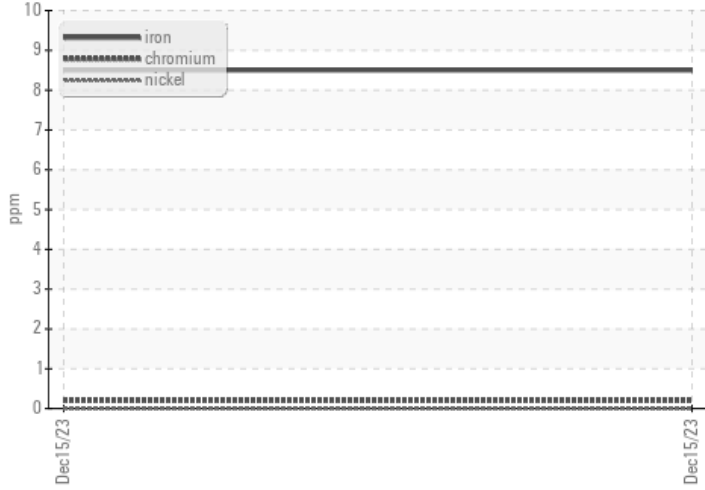


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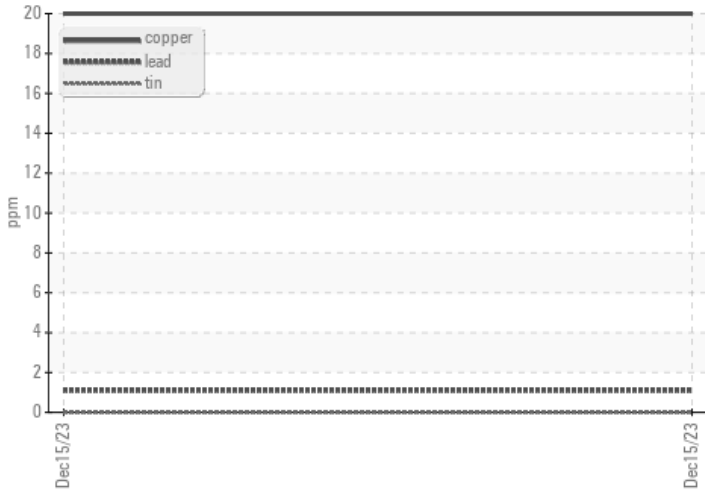


VOLVO GRAPHS

Ferrous Alloys



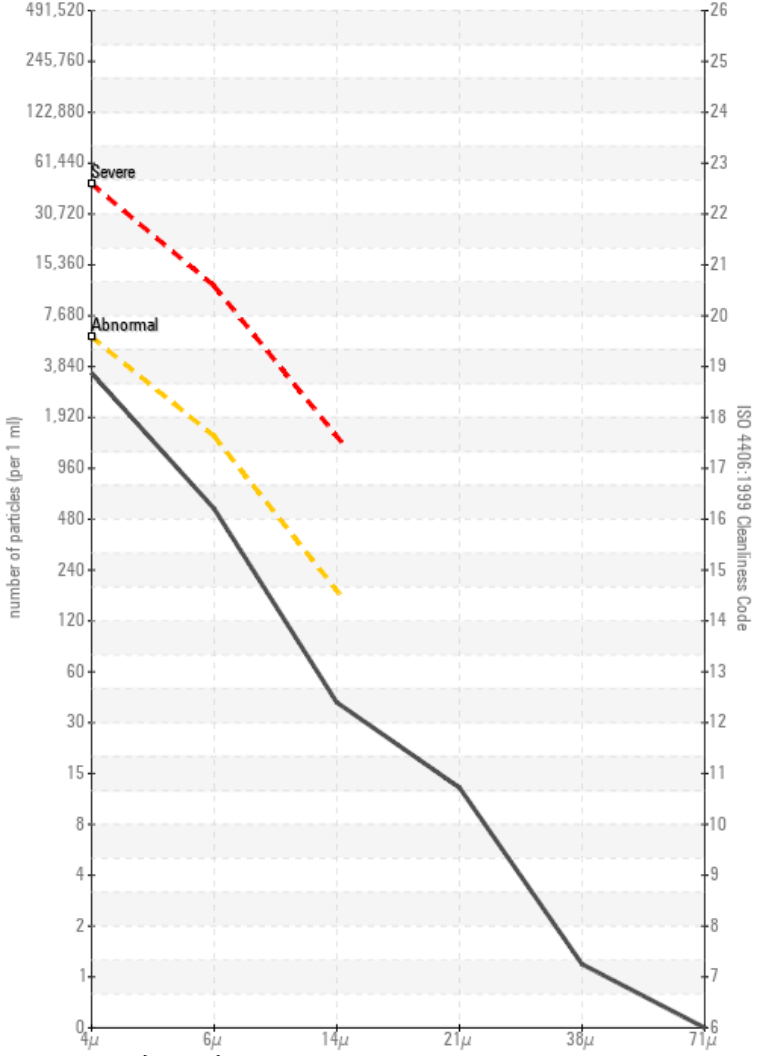
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

