



CONSTRUCTION EQUIPMENT

602638 ATLANTIC TRAS TAKEUCHI TL12V 5474 - HYDRAULIC SYSTEM



Sample No: VCP439843
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 602638 ATLANTIC TRAS



SAMPLE INFORMATION

Sample Number	VCP439843	---	---	---
Sample Date	11 Jul 2024	---	---	---
Machine Hours	992	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 40°C	cSt	█ 49.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.43	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 20537	---	---	---
Particles >6µm		▲ 2934	---	---	---
Particles >14µm		▲ 194	---	---	---
ISO 4406:1999 (c)		22/19/15	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 particulates 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	█ 5	---	---	---
Copper	ppm	█ 16	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 11	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3506	---	---	---
Magnesium	ppm	█ 31	---	---	---
Zinc	ppm	█ 728	---	---	---
Phosphorus	ppm	█ 623	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 14	---	---	---

Depot: VOLVO0095
Unique No: 11127931
Signed: Don Baldrige
Report Date: 19 Jul 2024

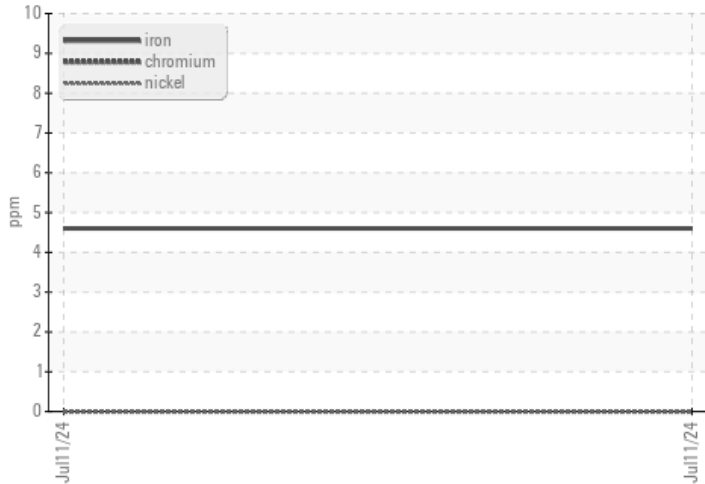


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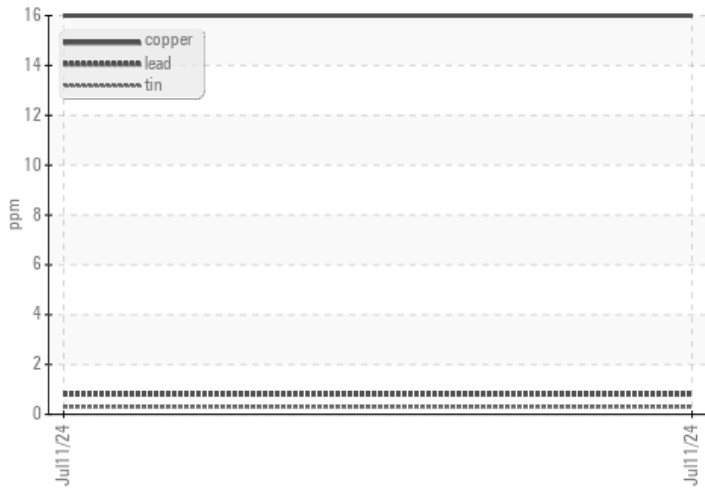


GRAPHS

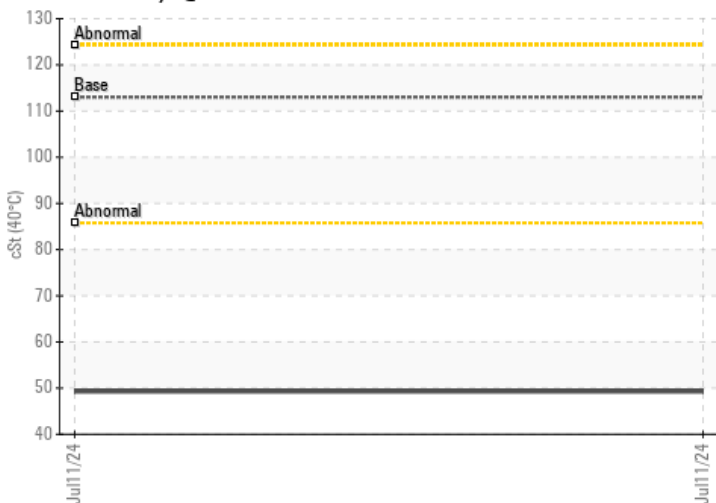
Ferrous Alloys



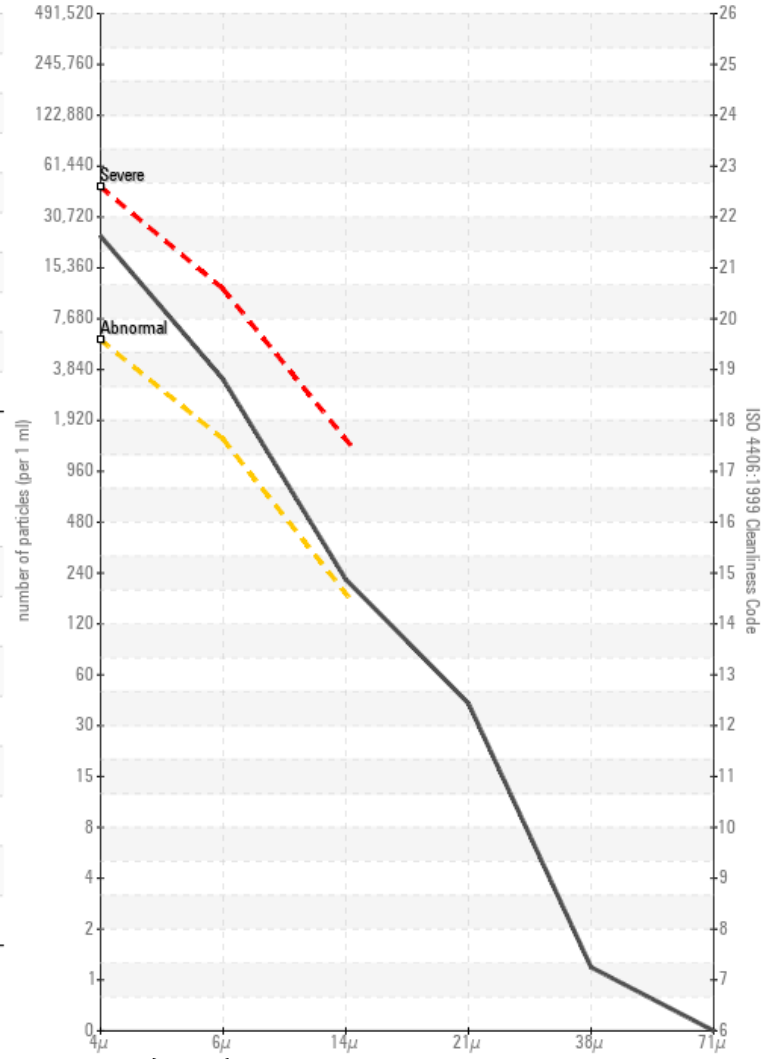
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

