



CONSTRUCTION EQUIPMENT

IMPACT AUTO 390774 VOLVO L90H 626994 - HYDRAULIC SYSTEM



Sample No: VCP394099
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 390774



SAMPLE INFORMATION

Sample Number	VCP394099	---	---	---
Sample Date	24 Jan 2024	---	---	---
Machine Hours	1197	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

STRONGCO EQUIPMENT-EDMONTON

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OIL CONDITION

Visc @ 40°C	cSt	█ 42.7	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 3281	---	---	---
Particles >6µm		█ 887	---	---	---
Particles >14µm		█ 59	---	---	---
ISO 4406:1999 (c)		19/17/13	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 75	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 429	---	---	---
Phosphorus	ppm	█ 345	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: VOLVO3908

Unique No: 5720277

Signed: Wes Davis

Report Date: 26 Jan 2024

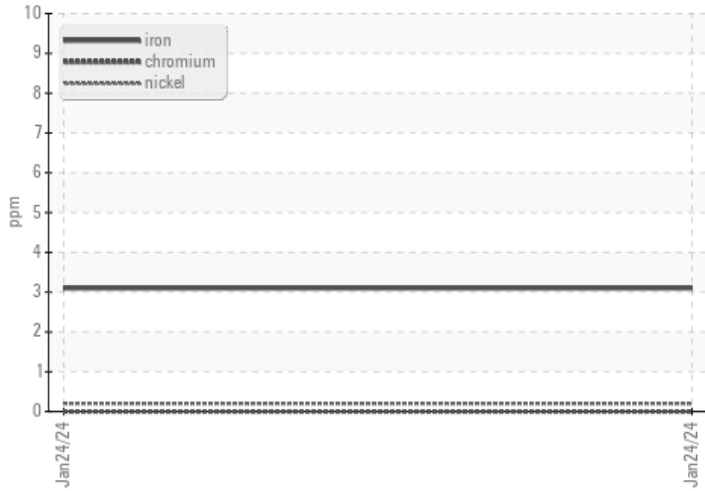


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GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

