



CONSTRUCTION EQUIPMENT

230755 VOLVO L90G 3954 - HYDRAULIC SYSTEM



Sample No: VCP260729
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 230755



SAMPLE INFORMATION

Sample Number	VCP260729	---	---	---
Sample Date	24 Jan 2020	---	---	---
Machine Hours	12067	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

STRONGCO EQUIPMENT-EDMONTON

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 Acheson, AB
 CA T7X 6C2

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OIL CONDITION

Visc @ 40°C	cSt	■ 39.8	---	---	---
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CONTAMINATION

Particles >4µm		■ 9883	---	---	---
Particles >6µm		■ 1425	---	---	---
Particles >14µm		■ 32	---	---	---
ISO 4406:1999 (c)		■ 20/18/12	---	---	---
Silicon	ppm	■ 18	---	---	---
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	■ 7	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 46	---	---	---
Magnesium	ppm	■ <1	---	---	---
Zinc	ppm	■ 392	---	---	---
Phosphorus	ppm	■ 306	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ <1	---	---	---

Depot: VOLVO3908
Unique No: 4994026
Signed: Wes Davis
Report Date: 30 Jan 2020

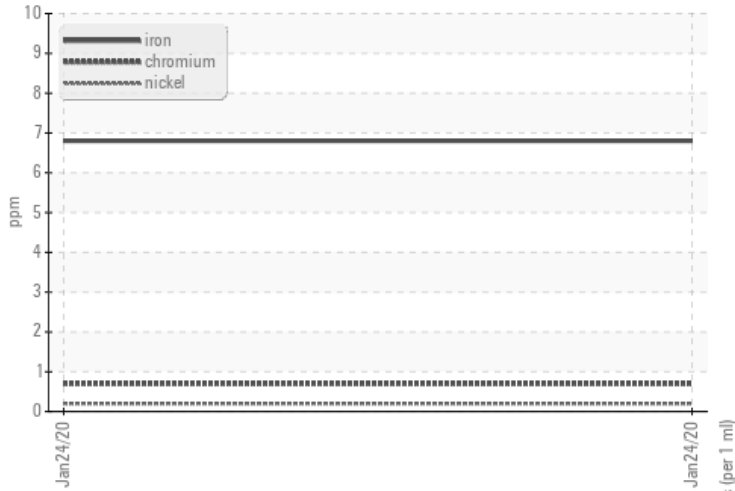


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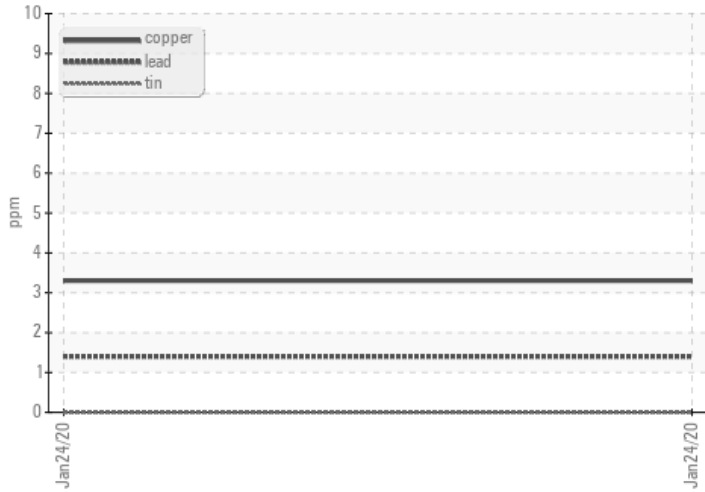


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

