CONSTRUCTION EQUIPMENT

IMPACT AUTO 388500 VOLVO L90H 625974 - HYDRAULIC SYSTEM

Sample No: VCP394423
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 388500

STRONGCO EQUIPMENT-EDMONTON
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CA T7X 6C2
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SAMPLE INFORMATION

Sample Number		**VCP394423**	VCP334106	---	---
Sample Date		**14 Dec 2023**	29 Nov 2022	---	---
Machine Hours		**4045**	2097	---	---
Oil Hours		**2000**	0	---	---
Oil Changed		**Changed**	Changed	---	---
Sample Status		**NORMAL**	ABNORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	**51.1**	▲ 21.1	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Particles >4µm		**579**	752	---	---
Particles >6µm		**142**	219	---	---
Particles >14µm		**8**	15	---	---
ISO 4406:1999 (c)		**16/14/10**	17/15/11	---	---
Silicon	ppm	**3**	3	---	---
Sodium	ppm	**1**	1	---	---
Potassium	ppm	**0**	<1	---	---

WEAR METALS

Iron	ppm	**4**	5	---	---
Copper	ppm	**3**	6	---	---
Lead	ppm	**<1**	2	---	---
Tin	ppm	**0**	0	---	---
Aluminum	ppm	**<1**	<1	---	---
Chromium	ppm	**<1**	<1	---	---
Molybdenum	ppm	**0**	0	---	---
Nickel	ppm	**<1**	<1	---	---
Titanium	ppm	**0**	0	---	---
Silver	ppm	**<1**	0	---	---
Manganese	ppm	**0**	0	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**51**	51	---	---
Magnesium	ppm	**<1**	<1	---	---
Zinc	ppm	**433**	446	---	---
Phosphorus	ppm	**336**	374	---	---
Barium	ppm	**<1**	0	---	---
Boron	ppm	**<1**	<1	---	---

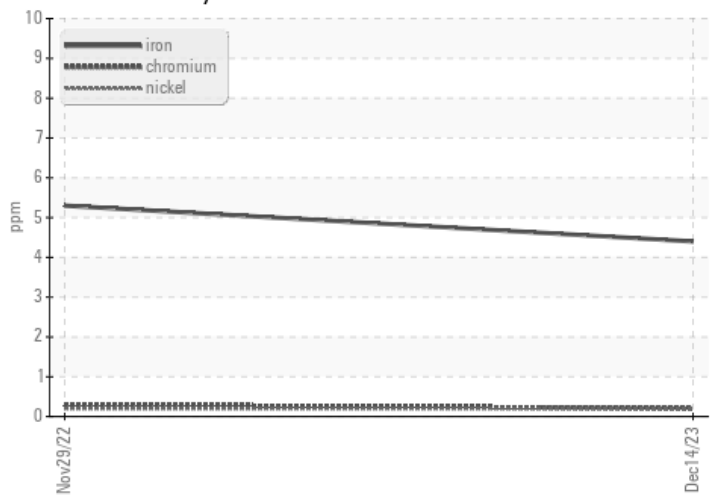
Diagnosis

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 oil viscosity is higher than typical. The condition of the oil is acceptable for the time in service.

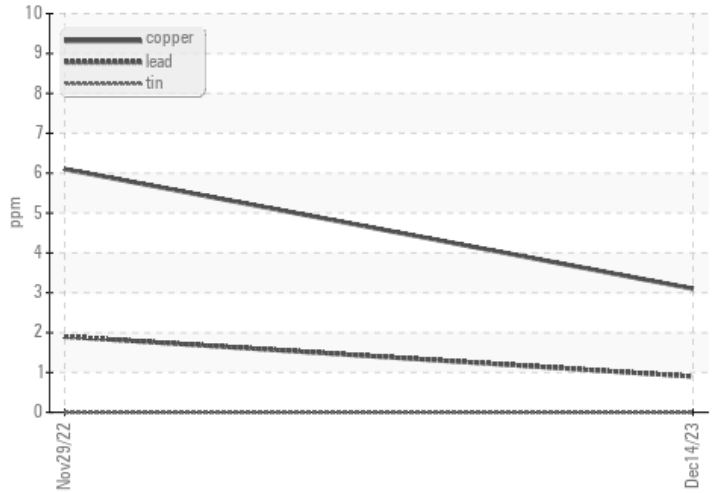
Depot: VOLVO3908
Unique No: 5696611
Signed: Kevin Marson
Report Date: 18 Dec 2023

GRAPHS

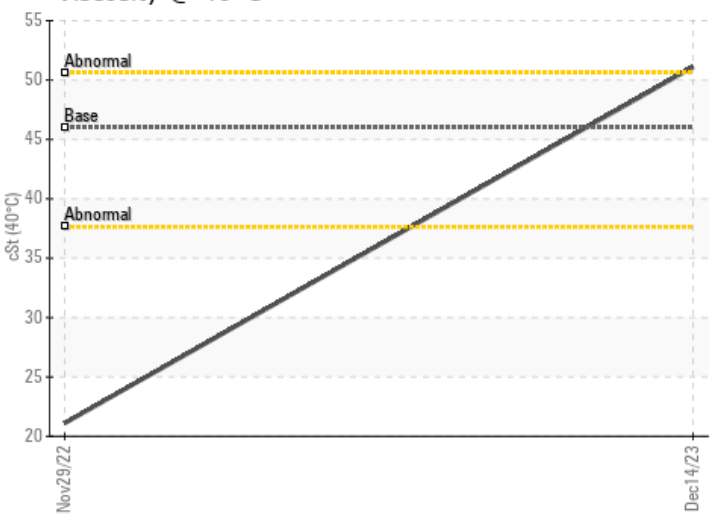
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count