CONSTRUCTION EQUIPMENT

CEDAR RIDGE VOLVO L70H 624271 - HYDRAULIC SYSTEM

Sample No: VCP406234
Oil Type: {unknown}
Job No: CEDAR RIDGE

ARNOLD MACHINERY COMPANY
464 WASHINGTON STREET S
TWIN FALLS, ID
US 83301
Contact: JANAE HYMAS
jhymas@arnoldmachinery.com
T: (208)733-1715
F: (775)356-7152

SAMPLE INFORMATION

Sample Number		**VCP406234**	---	---	---
Sample Date		**18 Jan 2024**	---	---	---
Machine Hours		**5820**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**42.7**	---	---	---
Acid Number (AN)	mg KOH/g	**0.56**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**7049**	---	---	---
Particles >6µm		**1435**	---	---	---
Particles >14µm		**59**	---	---	---
ISO 4406:1999 (c)		**20/18/13**	---	---	---
Silicon	ppm	**5**	---	---	---
Sodium	ppm	**2**	---	---	---
Potassium	ppm	**2**	---	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	**524**	---	---	---
Magnesium	ppm	**20**	---	---	---
Zinc	ppm	**568**	---	---	---
Phosphorus	ppm	**444**	---	---	---
Barium	ppm	**<1**	---	---	---
Boron	ppm	**6**	---	---	---

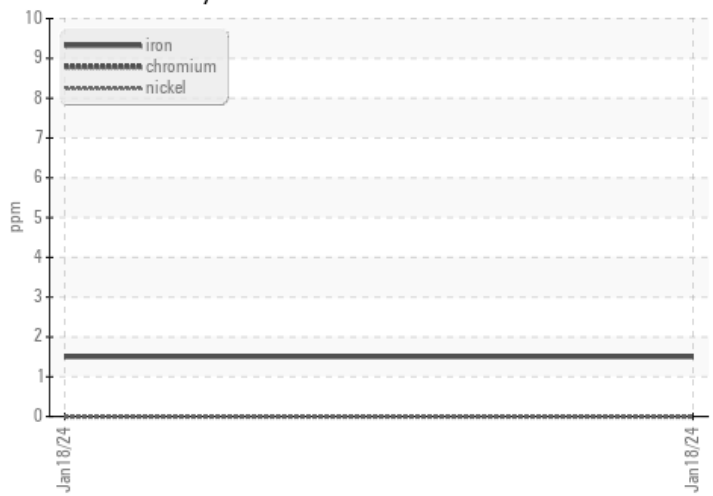
Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

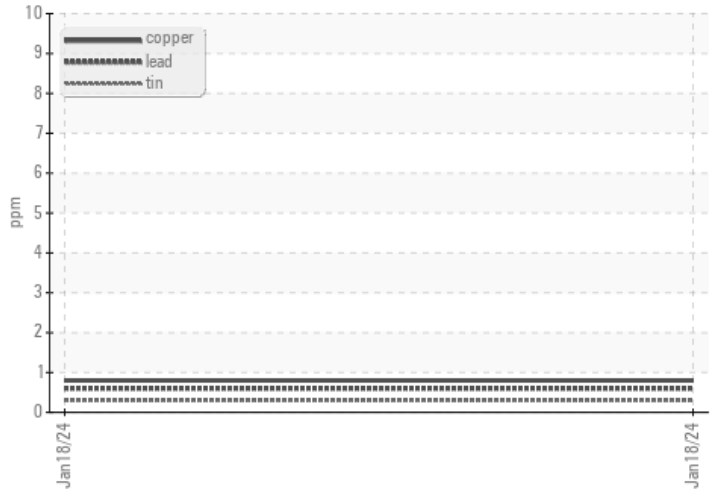
Depot: VOLVO1835
Unique No: 10859717
Signed: Wes Davis
Report Date: 02 Feb 2024

GRAPHS

Ferrous Alloys

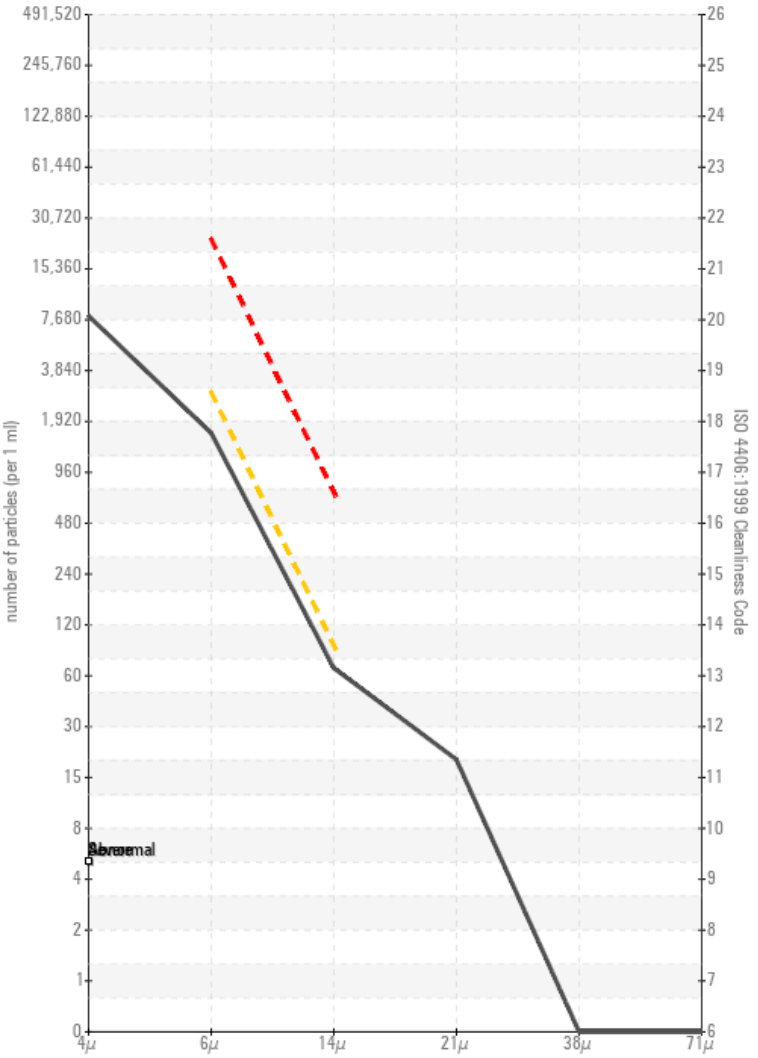


Non-ferrous Metals



Viscosity @ 40°C

Particle Count



Acid Number