CONSTRUCTION EQUIPMENT

SPM703638 ALPINE DEM VOLVO EC750E 314070 - HYDRAULIC SYSTEM

Sample No: VCP438290
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM703638 ALPINE DEM

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
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T: (312)350-2560
F:

SAMPLE INFORMATION

Sample Number		**VCP438290**	---	---	---
Sample Date		**30 Apr 2024**	---	---	---
Machine Hours		**2591**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**43.3**	---	---	---
Acid Number (AN)	mg KOH/g	**0.36**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**9507**	---	---	---
Particles >6µm		**2696**	---	---	---
Particles >14µm		**114**	---	---	---
ISO 4406:1999 (c)		**20/19/14**	---	---	---
Silicon	ppm	**2**	---	---	---
Sodium	ppm	**<1**	---	---	---
Potassium	ppm	**<1**	---	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	**86**	---	---	---
Magnesium	ppm	**11**	---	---	---
Zinc	ppm	**438**	---	---	---
Phosphorus	ppm	**337**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**<1**	---	---	---

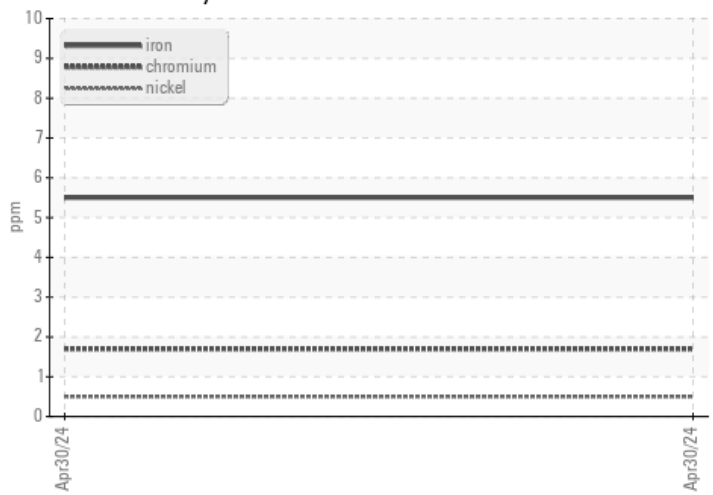
Diagnosis

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

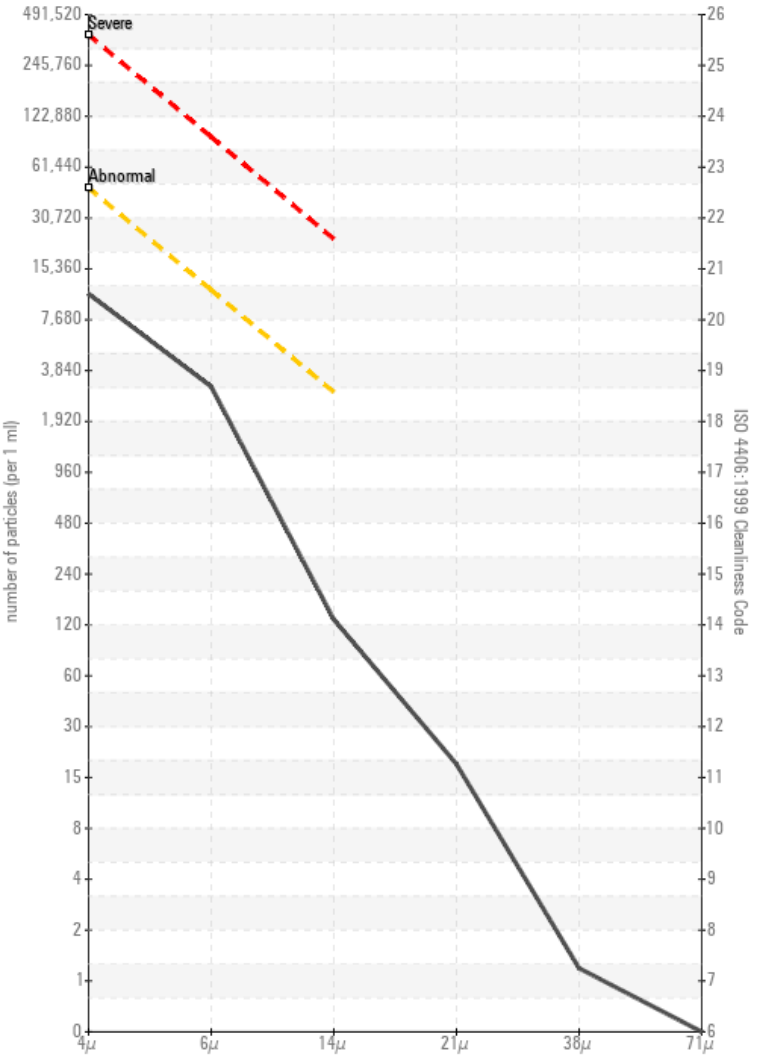
Depot: VOLVO8885
Unique No: 11084399
Signed: Wes Davis
Report Date: 18 Jun 2024

GRAPHS

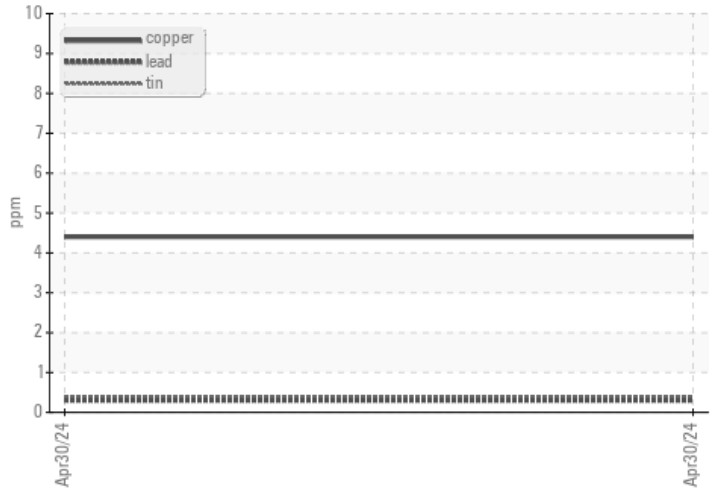
Ferrous Alloys

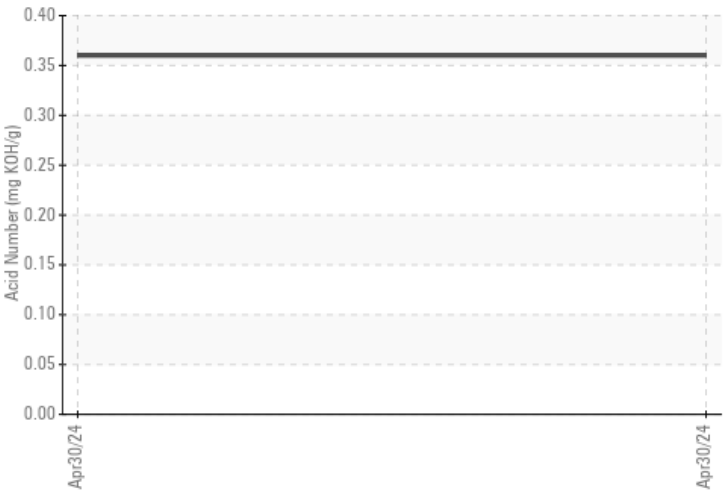


Particle Count



Non-ferrous Metals



Viscosity @ 40°C

Acid Number