



CONSTRUCTION EQUIPMENT

SW1001406 PAYLESS VOLVO L90H 624182 - HYDRAULIC SYSTEM



Sample No: VCP350388
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SW1001406 PAYLESS



SAMPLE INFORMATION

Sample Number	VCP350388	VCP277077	---	---
Sample Date	23 Mar 2022	21 May 2020	---	---
Machine Hours	2110	886	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	NORMAL	---	---

ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE
 PHOENIX, AZ
 US 85040

Contact: RANDY PRZEKURAT
 randyp@arnoldmachinery.com

T:
 F: (602)414-1904



OIL CONDITION

Visc @ 40°C	cSt	42.1	42.5	---	---
Acid Number (AN)	mg KOH/g	0.41	0.601	---	---



CONTAMINATION

Particles >4µm		11489	7323	---	---
Particles >6µm		1559	206	---	---
Particles >14µm		89	12	---	---
ISO 4406:1999 (c)		21/18/14	20/15/11	---	---
Silicon	ppm	3	4	---	---
Sodium	ppm	1	<1	---	---
Potassium	ppm	0	2	---	---

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	51	63	---	---
Magnesium	ppm	0	1	---	---
Zinc	ppm	412	489	---	---
Phosphorus	ppm	353	377	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO6174
Unique No: 9915667
Signed: Don Baldrige
Report Date: 01 Apr 2022

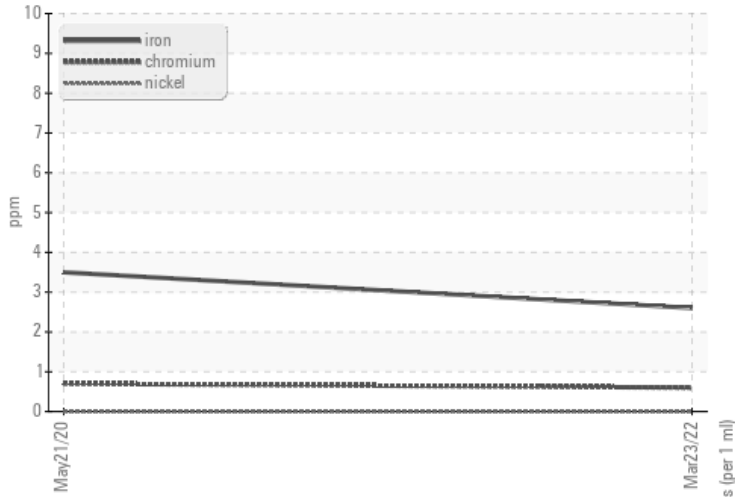


CONSTRUCTION EQUIPMENT

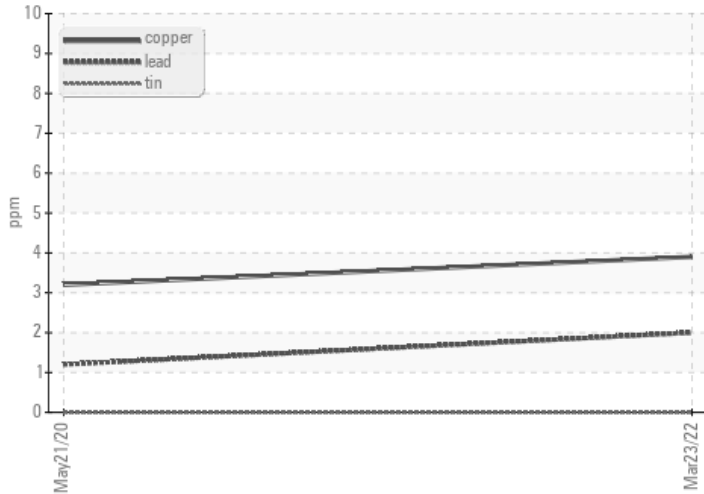


GRAPHS

Ferrous Alloys



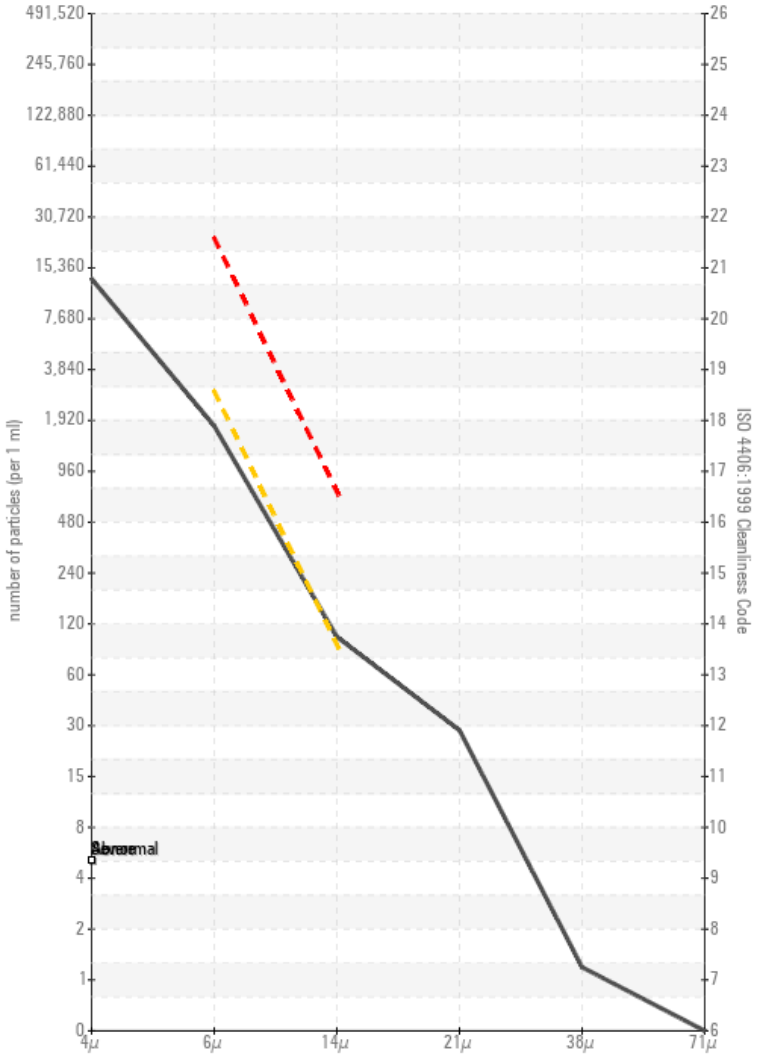
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

