



CONSTRUCTION EQUIPMENT

VOLVO SD115B 23655 - HYDRAULIC SYSTEM



Sample No: VCP269939
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP269939	---	---	---
Sample Date	09 Mar 2020	---	---	---
Machine Hours	2324	---	---	---
Oil Hours	2324	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: ROBERT TURNER
 rturner@ripatampa.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 43.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.193	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 8656	---	---	---
Particles >6µm		█ 1814	---	---	---
Particles >14µm		█ 50	---	---	---
ISO 4406:1999 (c)		20/18/13	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	█ 38	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 10	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

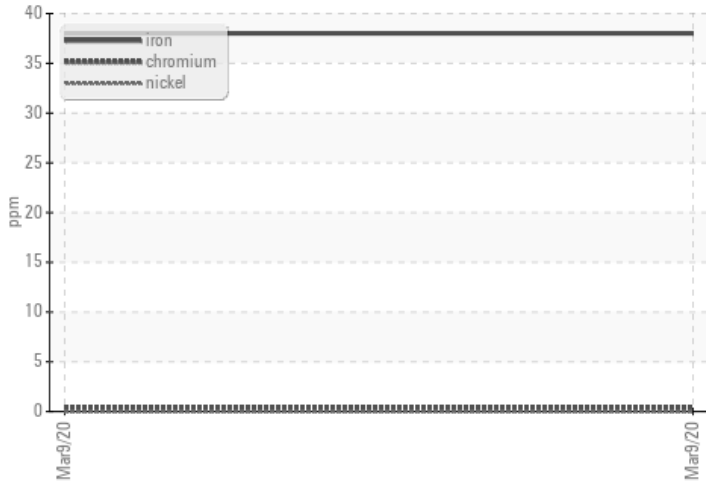
Calcium	ppm	█ 119	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 89	---	---	---
Phosphorus	ppm	█ 443	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: RIPTAM
Unique No: 8974757
Signed: Don Baldrige
Report Date: 31 Mar 2020

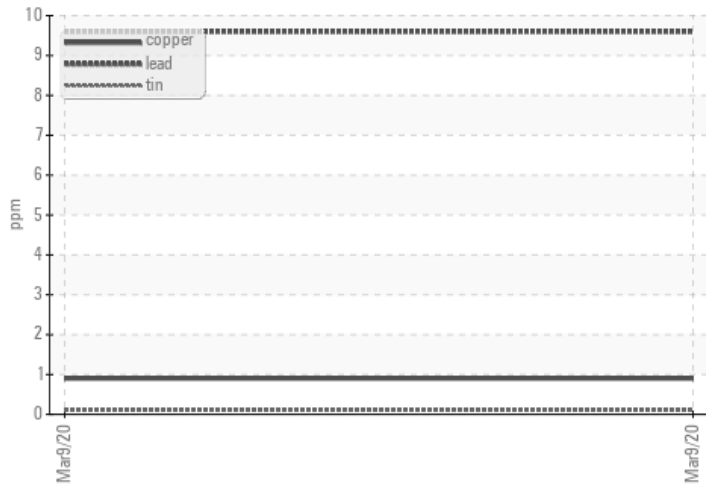


GRAPHS

Ferrous Alloys



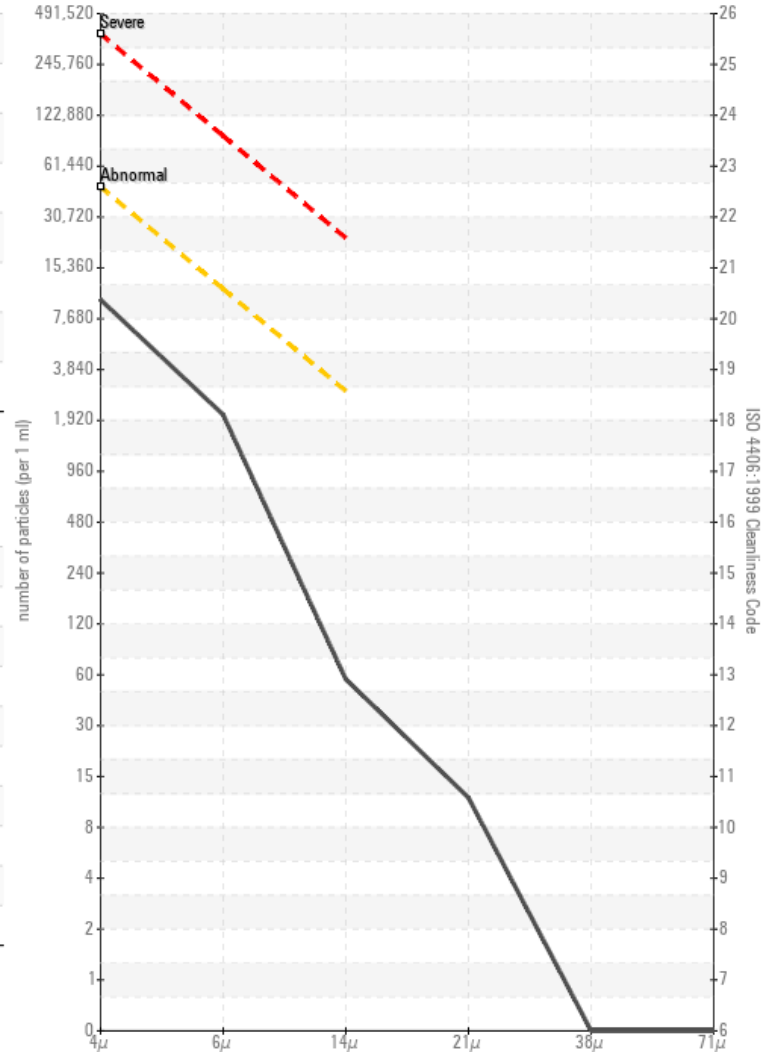
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

