



CONSTRUCTION EQUIPMENT

270306 VOLVO SD115B 236585 - HYDRAULIC SYSTEM



Sample No: VCP311893
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 270306



SAMPLE INFORMATION

Sample Number	VCP311893	VCP278850	---	---
Sample Date	11 Jun 2021	16 Nov 2020	---	---
Machine Hours	1644	989	---	---
Oil Hours	1644	989	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ATTENTION	---	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
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T:
F:



OIL CONDITION

Visc @ 40°C	cSt	43.2	43.8	---	---
Acid Number (AN)	mg KOH/g	0.129	0.100	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		3676	5898	---	---
Particles >6µm		325	681	---	---
Particles >14µm		30	43	---	---
ISO 4406:1999 (c)		19/16/12	20/17/13	---	---
Silicon	ppm	3	2	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	<1	2	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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	15	13	---	---
Copper	ppm	1	3	---	---
Lead	ppm	8	7	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	114	117	---	---
Magnesium	ppm	<1	0	---	---
Zinc	ppm	87	75	---	---
Phosphorus	ppm	394	444	---	---
Barium	ppm	0	0	---	---
Boron	ppm	2	0	---	---

Depot: RIPTAM
Unique No: 9565100
Signed: Don Baldrige
Report Date: 01 Jul 2021

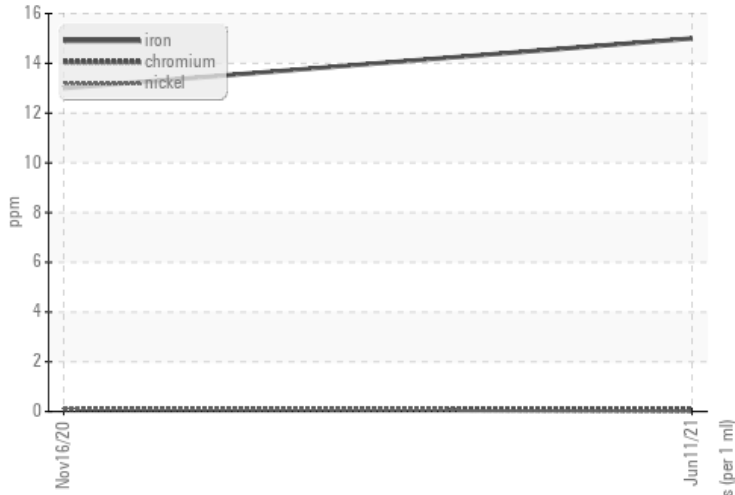


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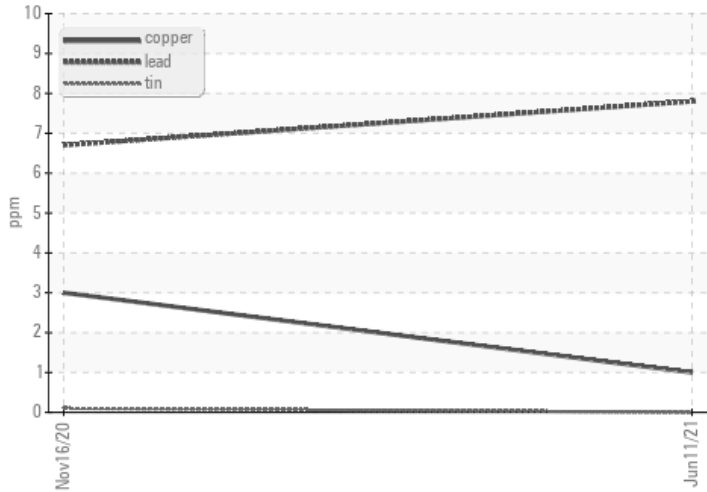


VOLVO GRAPHS

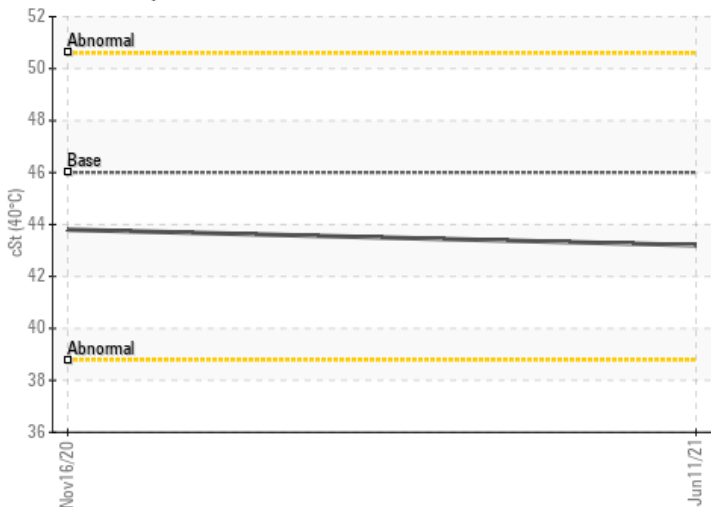
Ferrous Alloys



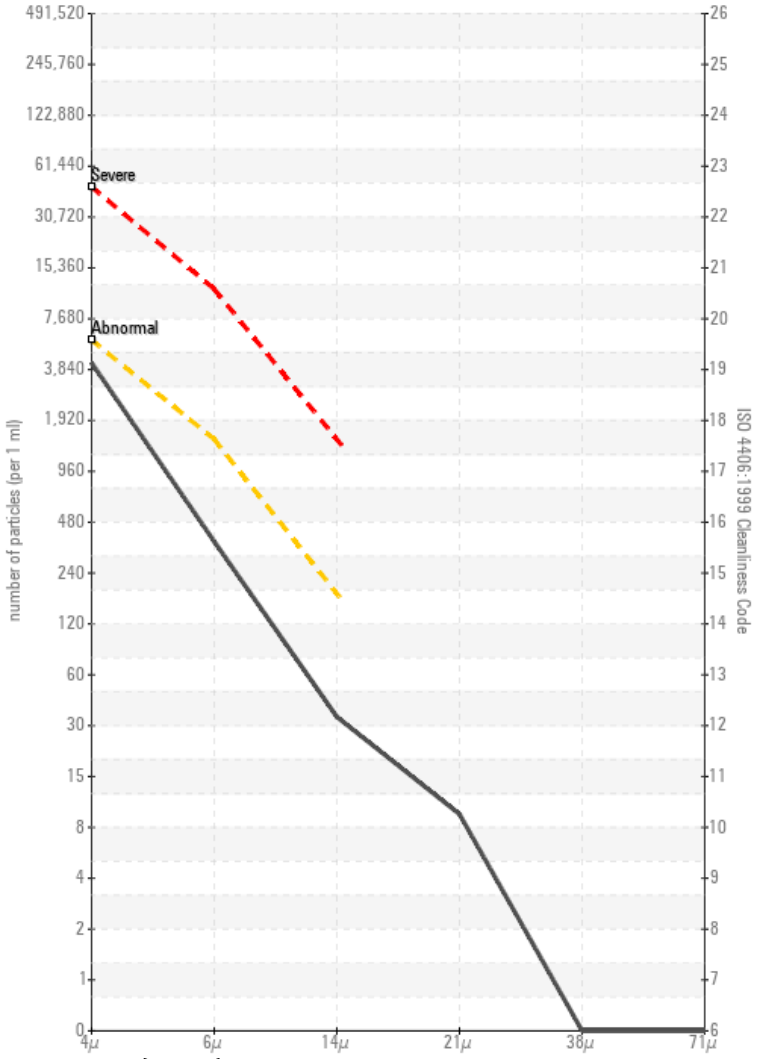
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

