



CONSTRUCTION EQUIPMENT

6526BO VOLVO EC340D 2 10404 - HYDRAULIC SYSTEM



Sample No: VCP279975
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 6526BO



SAMPLE INFORMATION

Sample Number	VCP279975	VCP223602	VCP168831	---
Sample Date	06 Aug 2020	08 Oct 2018	08 Jan 2016	---
Machine Hours	5292	3598	1100	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

HIGHWAY EQUIPMENT & SUPPLY CO MAIN
 PO BOX 1957
 HARRISBURG, PA
 US 17105
 Contact: CHAD HERRON

OIL CONDITION

Visc @ 40°C	cSt	42.3	44.6	43.74	---
Acid Number (AN)	mg KOH/g	0.284	0.620	0.726	---

T: 7(175)643-3031
 F: (717)564-3568

CONTAMINATION

Particles >4µm	17018	94132	162	---	
Particles >6µm	2589	28038	88	---	
Particles >14µm	39	2511	15	---	
ISO 4406:1999 (c)	21/19/12	24/22/19	15/14/11	---	
Silicon	ppm	2	4	3	---
Sodium	ppm	<1	2	<1	---
Potassium	ppm	<1	<1	0	---

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.

WEAR METALS

Iron	ppm	5	7	4	---
Copper	ppm	12	18	17	---
Lead	ppm	<1	2	3	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	0	1	<1	---
Chromium	ppm	1	2	<1	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	<1	0	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	259	328	111	---
Magnesium	ppm	7	8	<1	---
Zinc	ppm	372	573	625	---
Phosphorus	ppm	447	488	483	---
Barium	ppm	<1	0	0	---
Boron	ppm	6	10	0	---

Depot: VOLVO0025
Unique No: 9137986
Signed: Wes Davis
Report Date: 14 Aug 2020

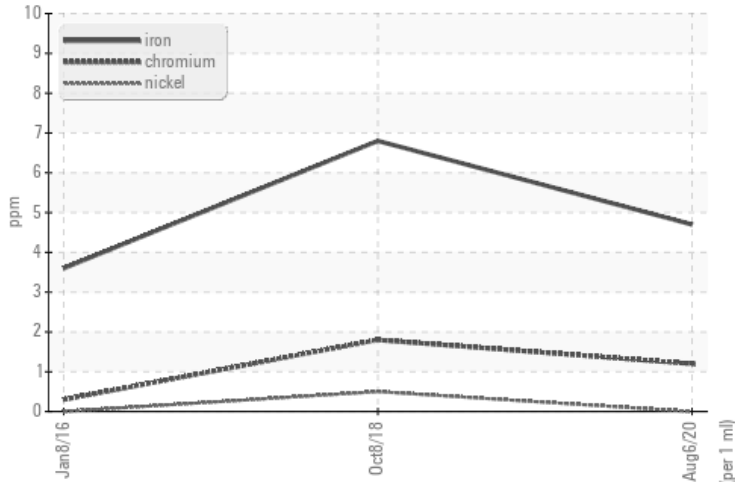


CONSTRUCTION EQUIPMENT

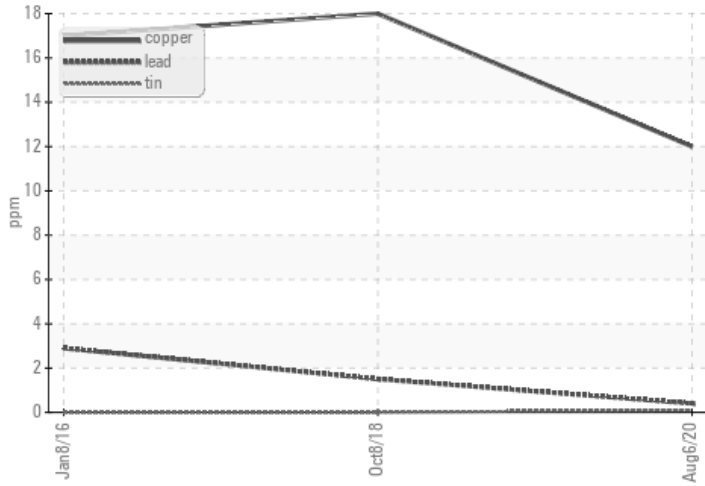


GRAPHS

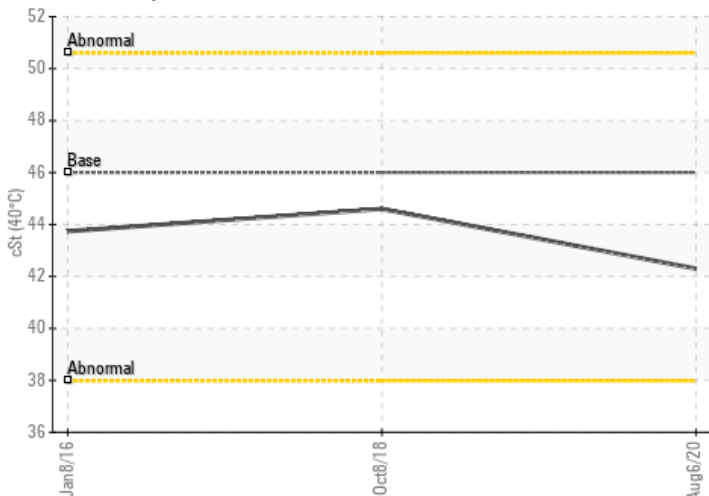
Ferrous Alloys



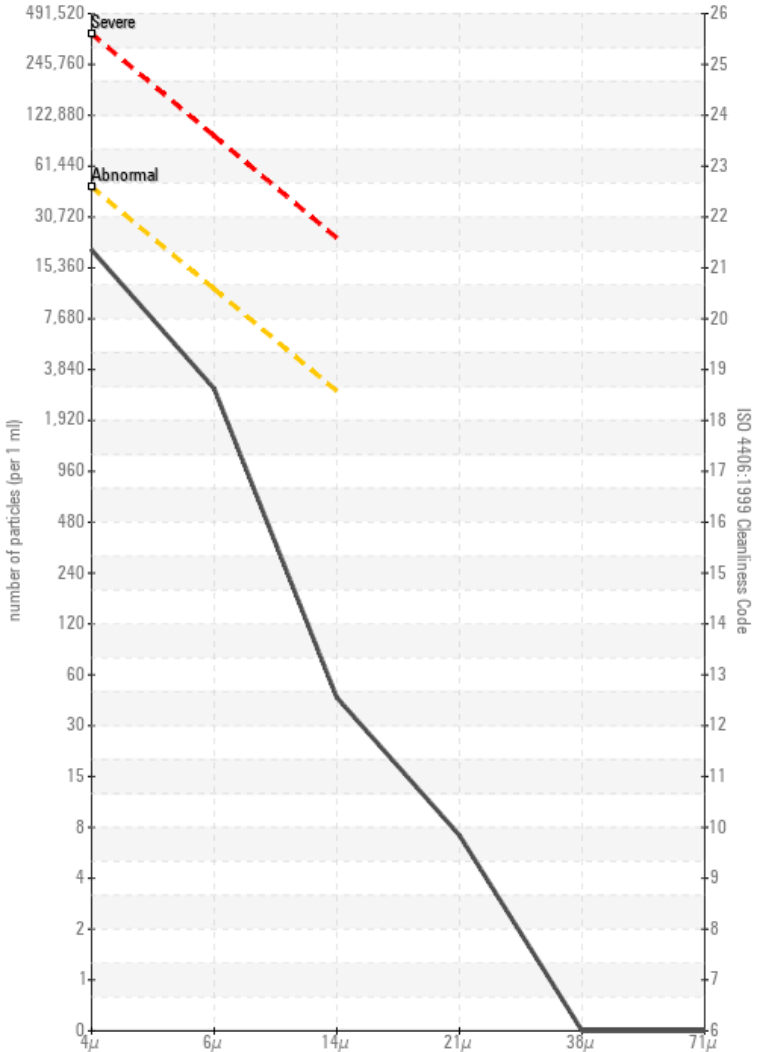
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

