



CONSTRUCTION EQUIPMENT

270429 VOLVO EC220D 210884 - HYDRAULIC SYSTEM



Sample No: VCP275017
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 270429



SAMPLE INFORMATION

Sample Number	VCP275017	VCP244668	---	---
Sample Date	07 Jan 2021	02 Oct 2019	---	---
Machine Hours	8159	6138	---	---
Oil Hours	2000	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	39.1	39.7	---	---
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CONTAMINATION

Particles >4µm	32793	33346	---	---	
Particles >6µm	4961	2376	---	---	
Particles >14µm	98	11	---	---	
ISO 4406:1999 (c)	22/19/14	22/18/11	---	---	
Silicon	ppm	10	7	---	---
Sodium	ppm	4	0	---	---
Potassium	ppm	1	<1	---	---

Diagnosis

Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Nous avons noté une forte hausse du niveau de fer. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion. Les taux d'usure de tous les autres composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. L'état de l'huile est acceptable pour la durée de service.

WEAR METALS

PQ	0	---	---	---	
Iron	ppm	29	11	---	---
Copper	ppm	19	22	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	4	<1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	38	34	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	365	355	---	---
Phosphorus	ppm	349	394	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	1	<1	---	---

Depot: VOLVO0228
Unique No: 5160329
Signed: Kevin Marson
Report Date: 12 Jan 2021

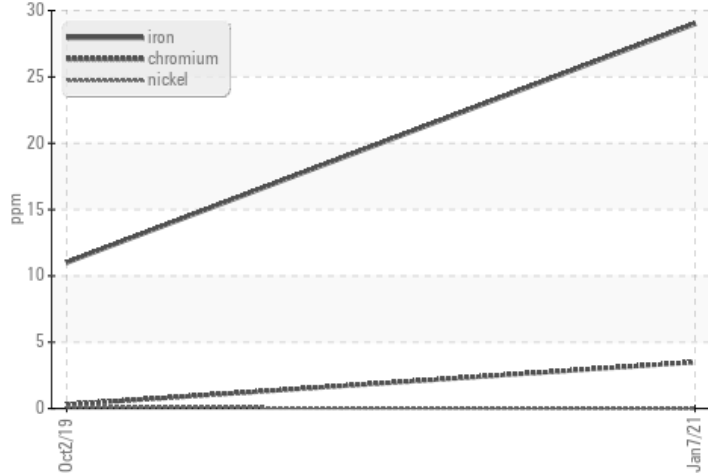


CONSTRUCTION EQUIPMENT

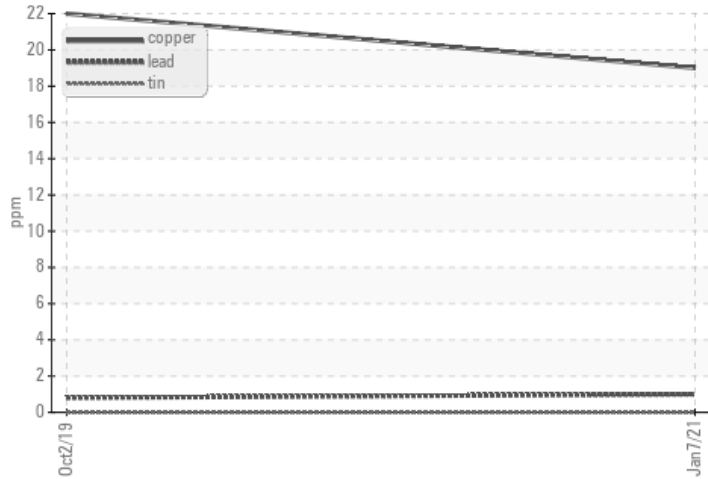


GRAPHS

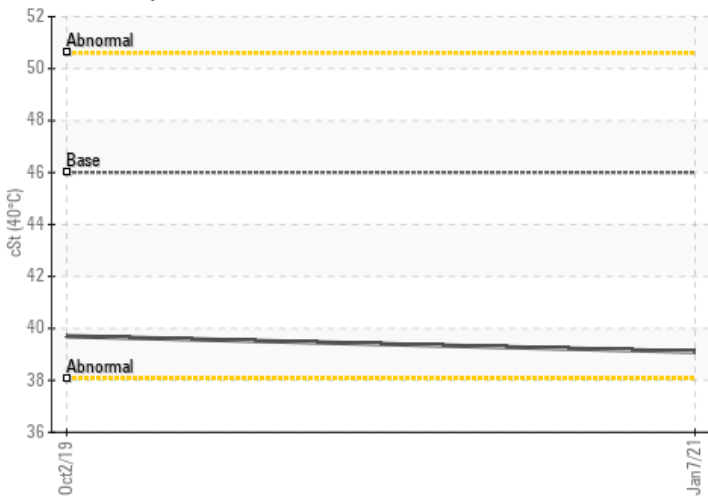
▲ Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

