



CONSTRUCTION EQUIPMENT

251129 VOLVO EC300E 310610 - HYDRAULIC SYSTEM



Sample No: VCP272799
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 251129



SAMPLE INFORMATION

Sample Number	VCP272799	VCP260940	---	---
Sample Date	22 Jul 2020	20 Jan 2020	---	---
Machine Hours	2908	2732	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	NORMAL	ATTENTION	---	---

STRONGCO EQUIPMENT INC (STE- FOY)

175, rue de Rotterdam
 St-Augustin-de-Desmaures, QC
 CA G3A 2K2
 Contact: Michel Lepage
 mlepage@strongco.com
 T: (418)870-1700
 F: (418)870-1701

OIL CONDITION

Visc @ 40°C	cSt	45.8	43.4	---	---
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CONTAMINATION

Particles >4µm	14885	53841	---	---
Particles >6µm	1014	2383	---	---
Particles >14µm	19	27	---	---
ISO 4406:1999 (c)	21/17/11	23/18/12	---	---
Silicon	ppm	<1	3	---
Sodium	ppm	<1	0	---
Potassium	ppm	<1	<1	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les 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. Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

WEAR METALS

Iron	ppm	<1	8	---	---
Copper	ppm	4	34	---	---
Lead	ppm	<1	3	---	---
Tin	ppm	1	0	---	---
Aluminum	ppm	0	1	---	---
Chromium	ppm	<1	4	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	2	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1	95	---	---
Magnesium	ppm	<1	8	---	---
Zinc	ppm	25	433	---	---
Phosphorus	ppm	1432	452	---	---
Barium	ppm	4	<1	---	---
Boron	ppm	<1	<1	---	---

Depot: VOLV00228
Unique No: 5082182
Signed: Wes Davis
Report Date: 27 Jul 2020

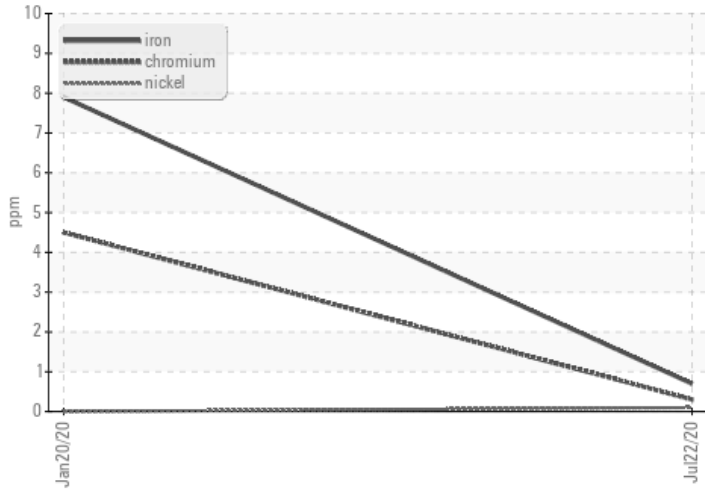


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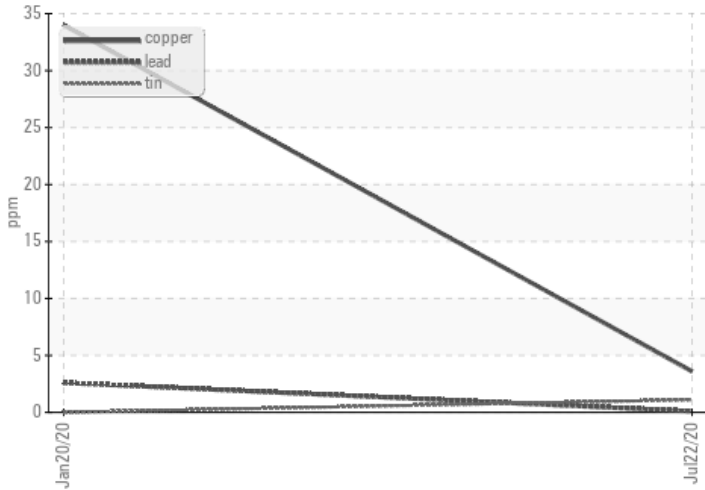


VOLVO GRAPHS

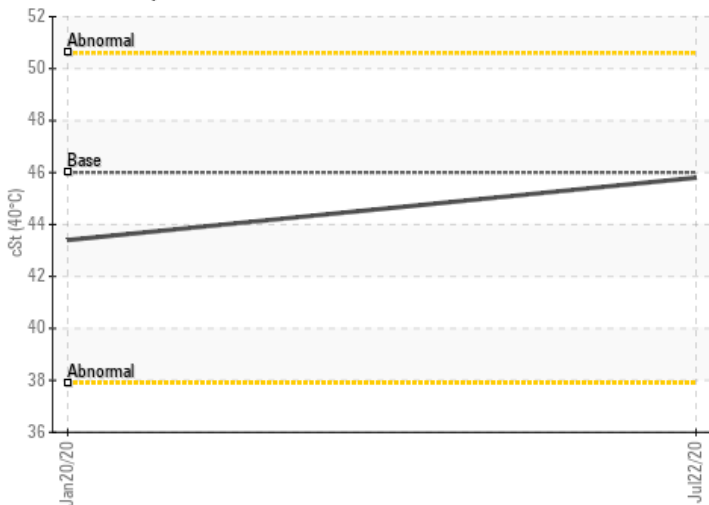
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

