



CONSTRUCTION EQUIPMENT

ARCHIBALD DRILLING 8000373408 VOLVO EC480EHR 391004 - HYDRAULIC SYSTEM



Sample No: VCP380287
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 8000373408

STRONGCO EQUIPMENT INC.
55 ISNOR DRIVE, BURNSIDE INDUSTRIALPARK
DARTMOUTH, NS
CA B3B 1N6
Contact: Justin Hennigar
jhennigar@strongco.com
T: (902)468-5010
F: (902)468-2468

Diagnosis

We advise that you check for visible metal particles in the oil. The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Light concentration of visible metal present. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



SAMPLE INFORMATION

Sample Number		VCP380287	---	---	---
Sample Date		26 Jul 2023	---	---	---
Machine Hours		959	---	---	---
Oil Hours		959	---	---	---
Oil Changed		Not Chngd	---	---	---
Sample Status		ATTENTION	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 42.8	---	---	---
Visc @ 100°C	cSt	■ 7.3	---	---	---
Viscosity Index (VI)	Scale	■ 134	---	---	---



CONTAMINATION

Particles >4µm		▲ 58629	---	---	---
Particles >6µm		▲ 10842	---	---	---
Particles >14µm		■ 252	---	---	---
ISO 4406:1999 (c)		23/21/15	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	■ 7	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 172	---	---	---
Magnesium	ppm	■ 10	---	---	---
Zinc	ppm	■ 574	---	---	---
Phosphorus	ppm	■ 487	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 9	---	---	---

Depot: SHEDAR
Unique No: 5618804
Signed: Kevin Marson
Report Date: 03 Aug 2023

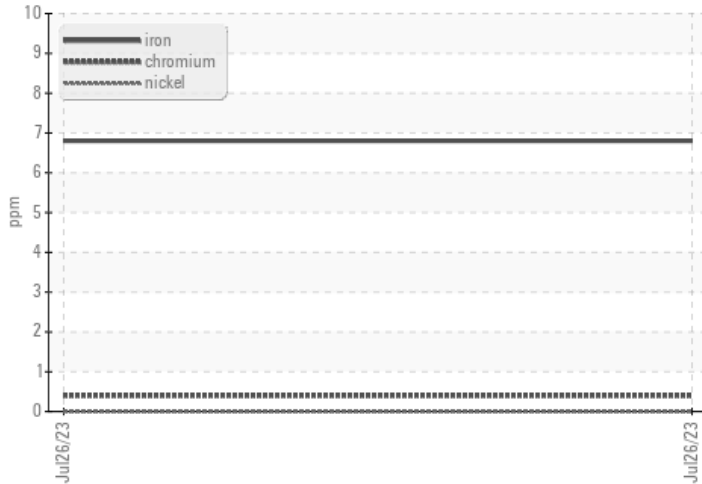


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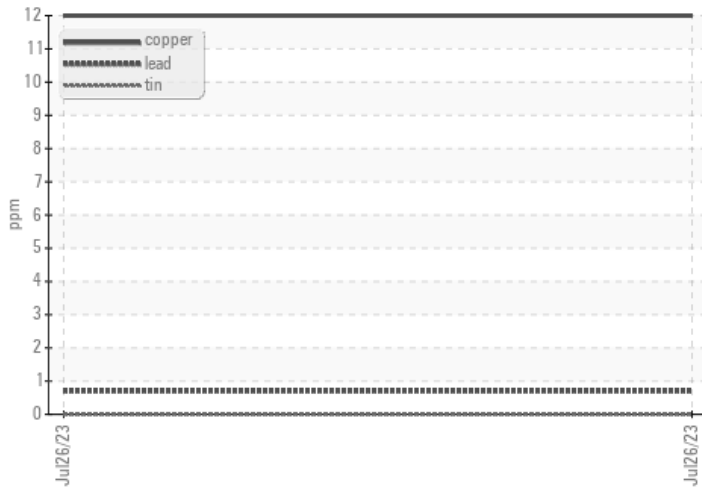


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Filter (Magn: 100 x)

