



CONSTRUCTION EQUIPMENT

316243 - HYDRAULIC SYSTEM



Sample No: VCP380231
Oil Type: VOLVO HYDRAULIC OIL ULTRA 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP380231	---	---	---
Sample Date	16 Jul 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

GREAT WEST EQUIPMENT
 1600 KOSMINA ROAD, 123 L&A CROSS RD
 VERNON, BC
 CA V1T 8T2
 Contact: Garry Beach
 gbeach@gwequipment.com
 T: (250)549-4232
 F: (250)549-3397



OIL CONDITION

Visc @ 40°C	cSt	█ 42.7	---	---	---
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CONTAMINATION

Particles >4µm		█ 9743	---	---	---
Particles >6µm		█ 1750	---	---	---
Particles >14µm		█ 33	---	---	---
ISO 4406:1999 (c)		20/18/12	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ <1	---	---	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 19	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 98	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 546	---	---	---
Phosphorus	ppm	█ 439	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: MARVER
Unique No: 5607453
Signed: Wes Davis
Report Date: 18 Jul 2023

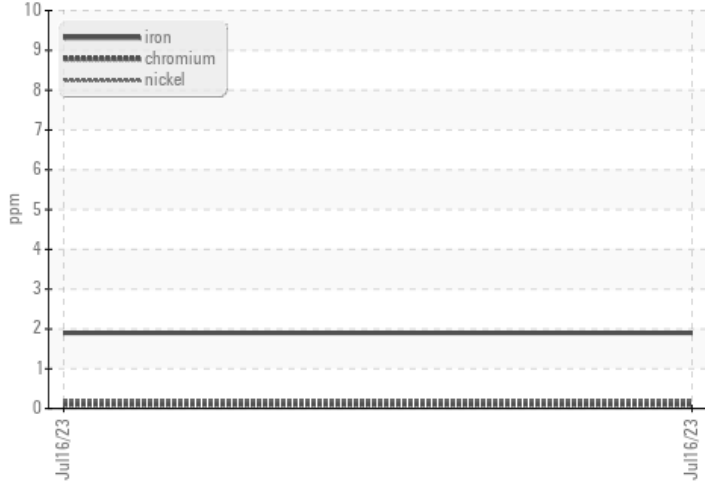


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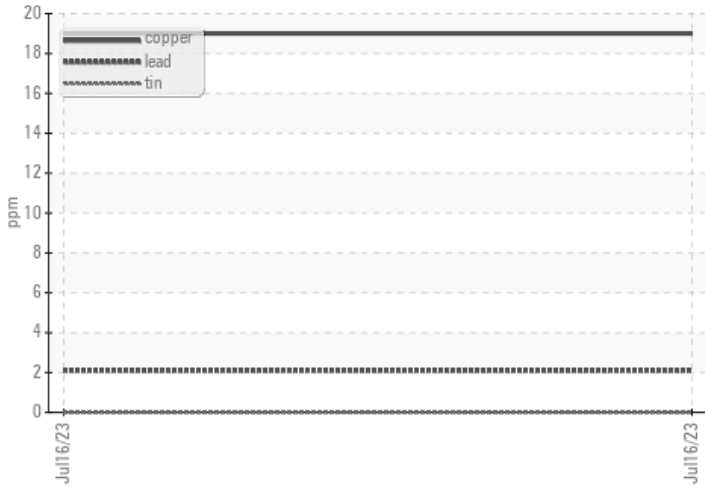


GRAPHS

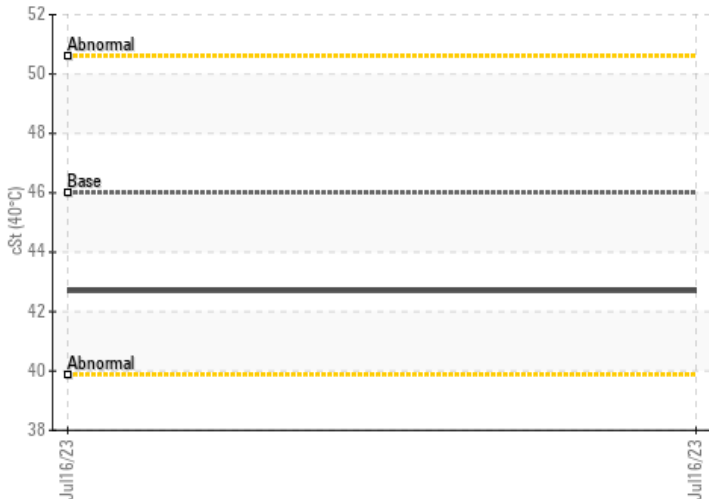
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

