



# CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY 19246 VOLVO L120H RL67 (S/N 632516)

HYDRAULIC SYSTEM



**Sample No:** VCP412225  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 19246



## SAMPLE INFORMATION

Sample Number	VCP412225	---	---	---
Sample Date	21 Jul 2023	---	---	---
Machine Hours	8668	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---



### HILCO TRANSPORT

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 GREENSBORO, NC  
 US 27409  
 Contact: MIKE LAUGHEAD  
 mlaughead@hilcotransport.com  
 T: (336)273-9441  
 F: (336)273-9701



## OIL CONDITION

Visc @ 40°C	cSt	▲ 35.1	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.35	---	---	---



## CONTAMINATION

Particles >4µm		2041	---	---	---
Particles >6µm		■ 443	---	---	---
Particles >14µm		■ 37	---	---	---
ISO 4406:1999 (c)		18/16/12	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 2	---	---	---



## WEAR METALS

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



## ADDITIVES

Calcium	ppm	■ 46	---	---	---
Magnesium	ppm	■ 6	---	---	---
Zinc	ppm	■ 400	---	---	---
Phosphorus	ppm	■ 315	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

**Depot:** HILGREVC  
**Unique No:** 10587195  
**Signed:** Don Baldrige  
**Report Date:** 05 Aug 2023

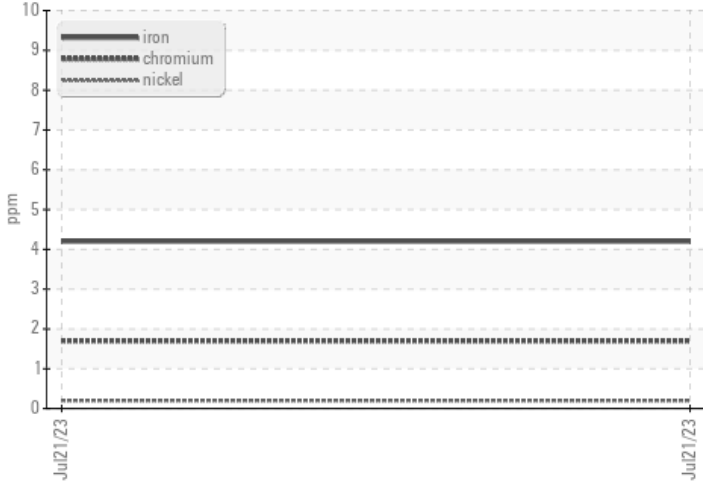


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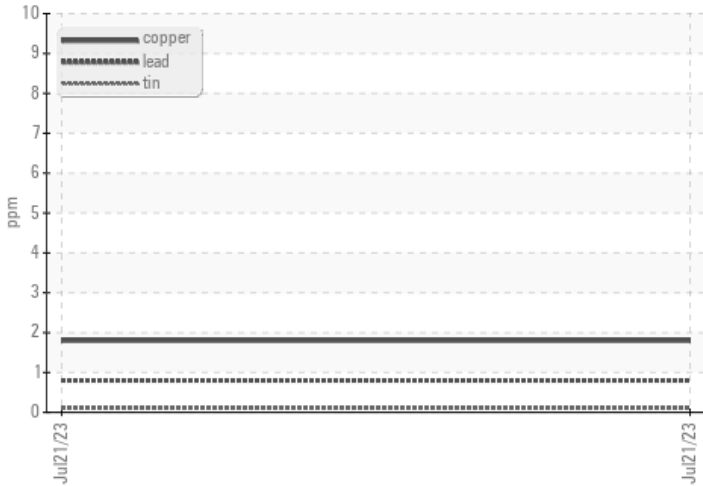


## GRAPHS

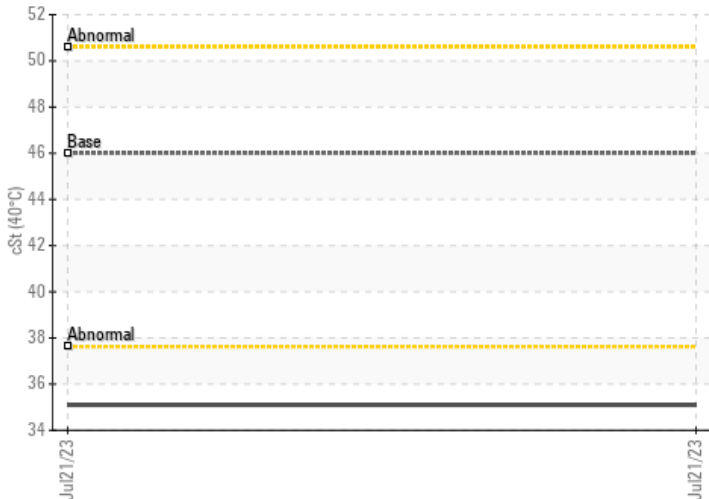
### Ferrous Alloys



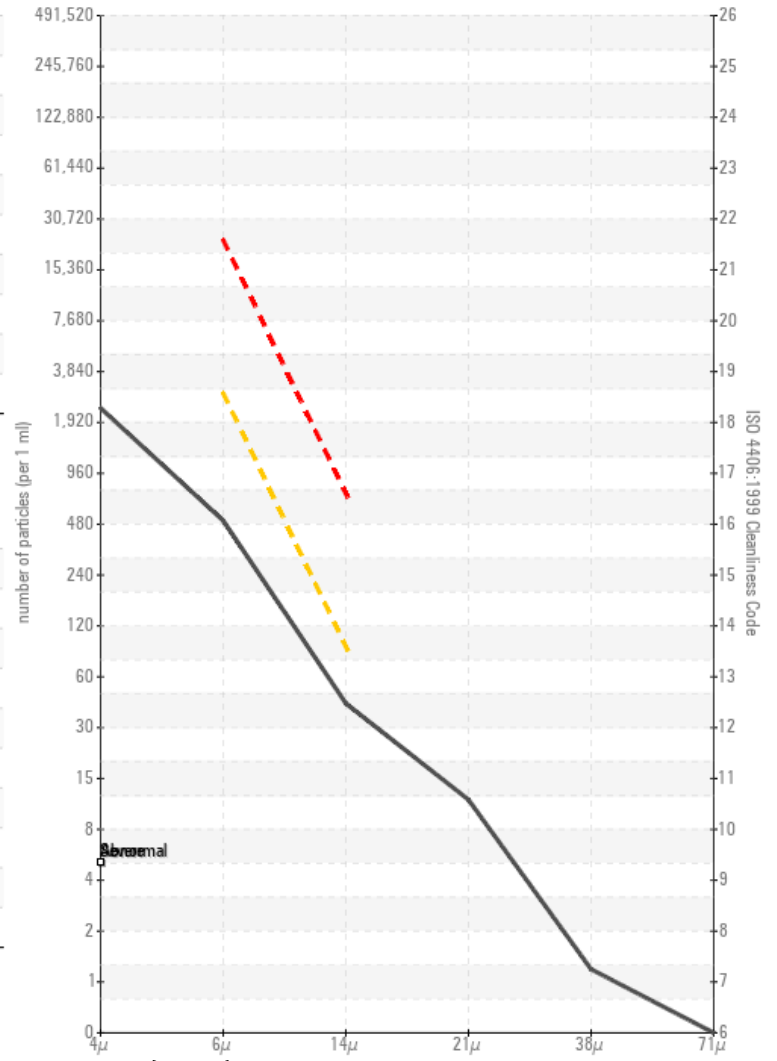
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

