

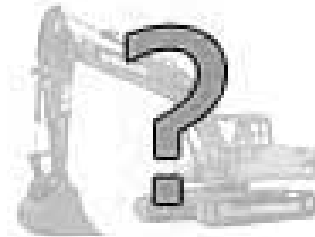


# CONSTRUCTION EQUIPMENT

## ALLIED HR60 2020552 - HYDRAULIC SYSTEM



**Sample No:** WC0589145  
**Oil Type:** AW HYDRAULIC OIL ISO 22  
**Job No:**



### SAMPLE INFORMATION

Sample Number	WC0589145	---	---	---
Sample Date	02 Jun 2021	---	---	---
Machine Hours	10	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

### STRONGCO EQUIPMENT

255 BAIG BOULEVARD  
 MONCTON, NB  
 CA E1E 1E1  
 Contact: Greg Ward  
 gward@strongco.com  
 T: (506)857-8425  
 F: (506)857-0851



### OIL CONDITION

Visc @ 40°C	cSt	█ 22.4	---	---	---
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### CONTAMINATION

Particles >4µm		◆ 47640	---	---	---
Particles >6µm		▲ 3910	---	---	---
Particles >14µm		█ 98	---	---	---
ISO 4406:1999 (c)		23/19/14	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 22. Please confirm. All component wear rates are normal. Particles >4µm are severely high. Particles >6µm are abnormally high. The condition of the oil is acceptable for the time in service. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



### WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 36	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 374	---	---	---
Phosphorus	ppm	█ 305	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 1	---	---	---

**Depot:** SHE255MON  
**Unique No:** 5229252  
**Signed:** Kevin Marson  
**Report Date:** 08 Jun 2021

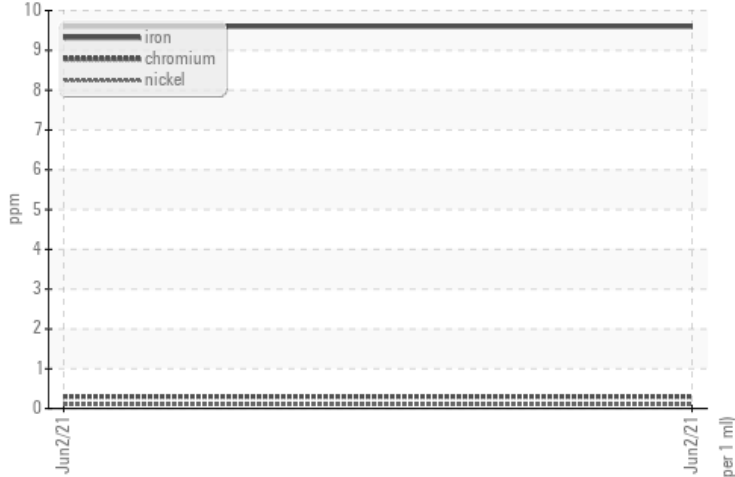


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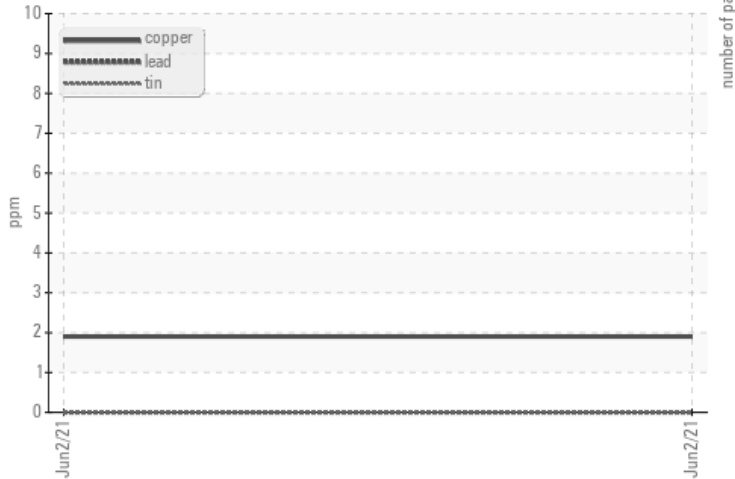


## GRAPHS

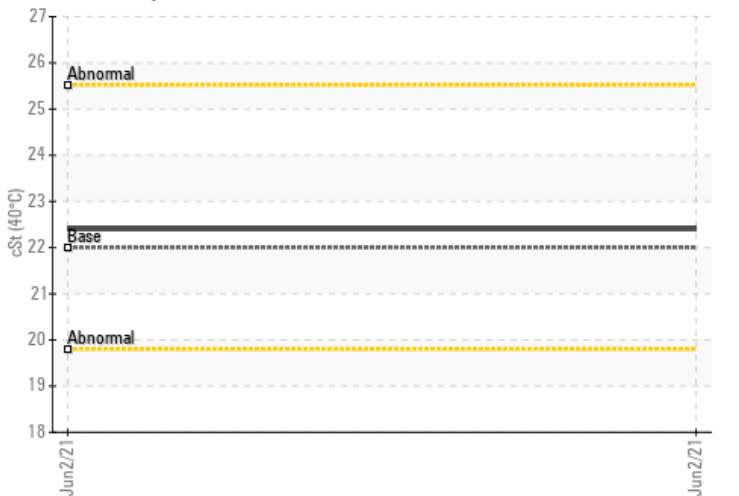
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

