

# [[50279]] HYDRADYNE HPU (S/N 001) - HYDRAULIC SYSTEM

**Sample No:** WC0938728

**Oil Type:** MEGAFLOW AW 68

## SAMPLE INFORMATION

Sample Number	<b>WC0938728</b>	---	---	---
Sample Date	<b>13 May 2024</b>	---	---	---
Machine Hours	<b>0</b>	---	---	---
Oil Hours	<b>0</b>	---	---	---
Oil Changed	<b>Filtered</b>	---	---	---
Sample Status	<b>ABNORMAL</b>	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>68.32</b>	---	---	---
Acid Number (AN)	mg KOH/g	<b>0.36</b>	---	---	---

## CONTAMINATION

Water	%	<b>0.005</b>	---	---	---
Particles >4µm		<b>32246</b>	---	---	---
Particles >6µm		<b>3337</b>	---	---	---
Particles >14µm		<b>143</b>	---	---	---
ISO 4406:1999 (c)		<b>22/19/14</b>	---	---	---
Silicon	ppm	<b>1</b>	---	---	---
Sodium	ppm	<b>25</b>	---	---	---
Potassium	ppm	<b>5</b>	---	---	---

## Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

## WEAR METALS

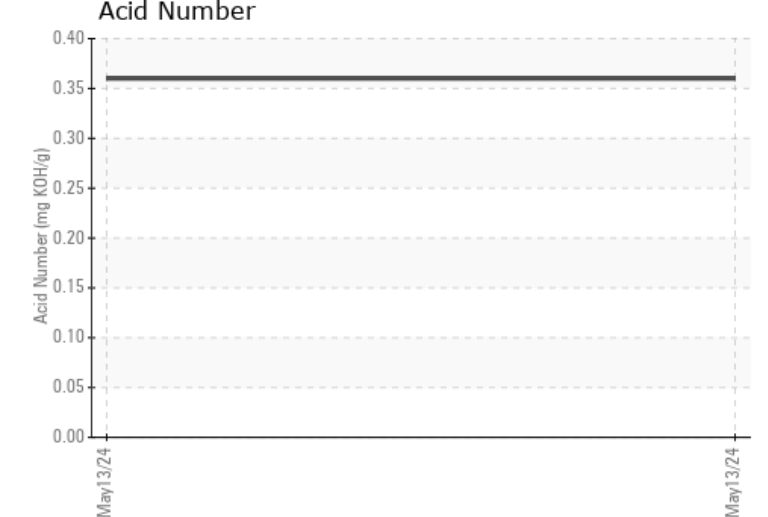
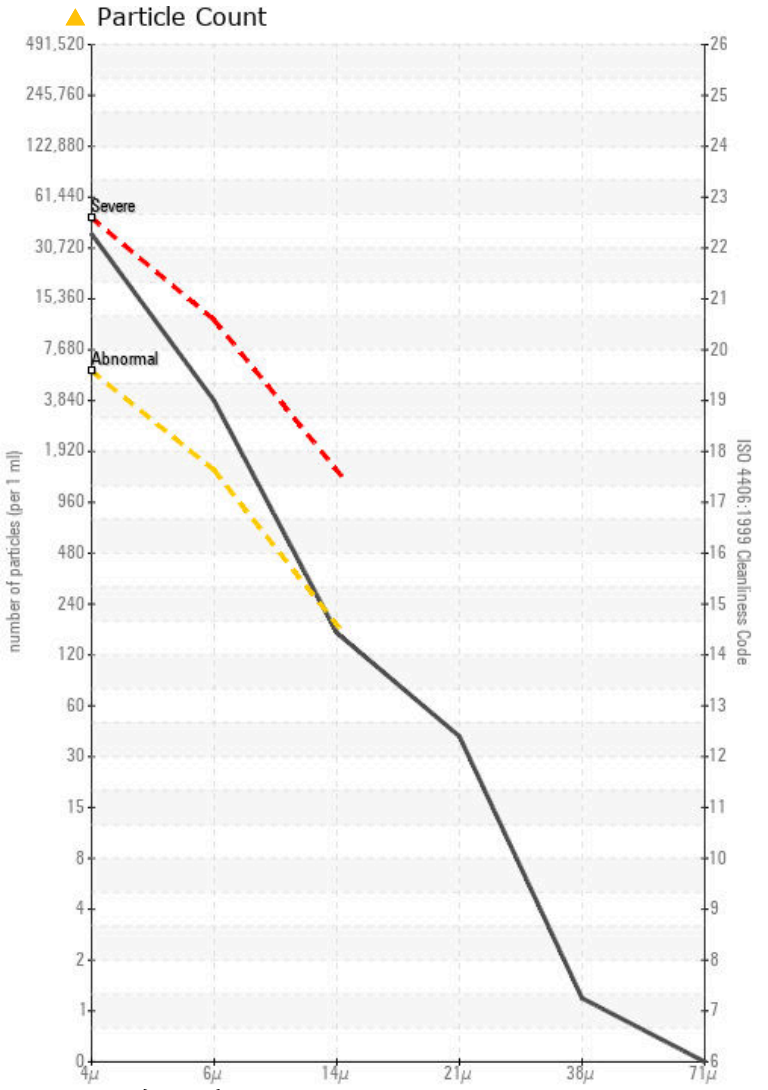
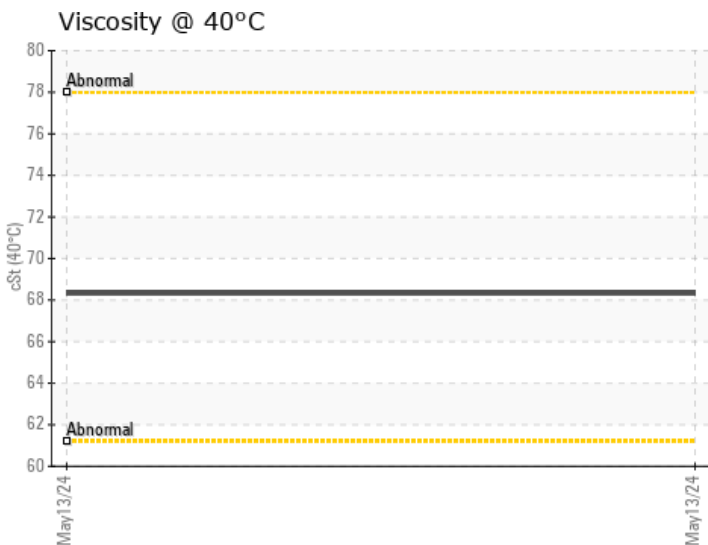
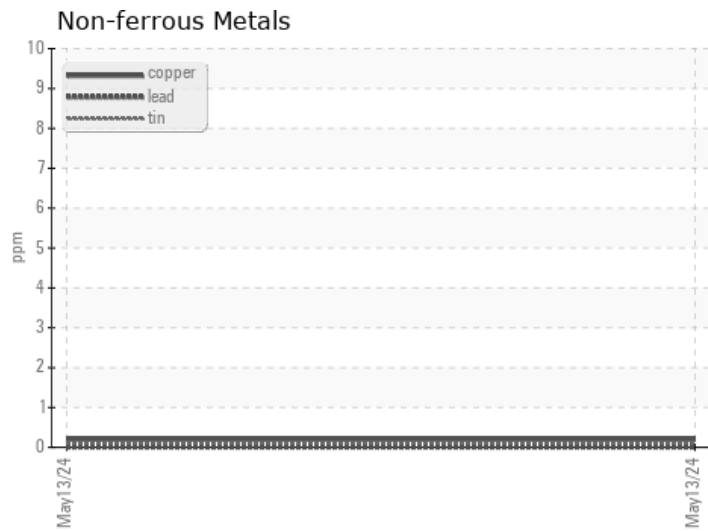
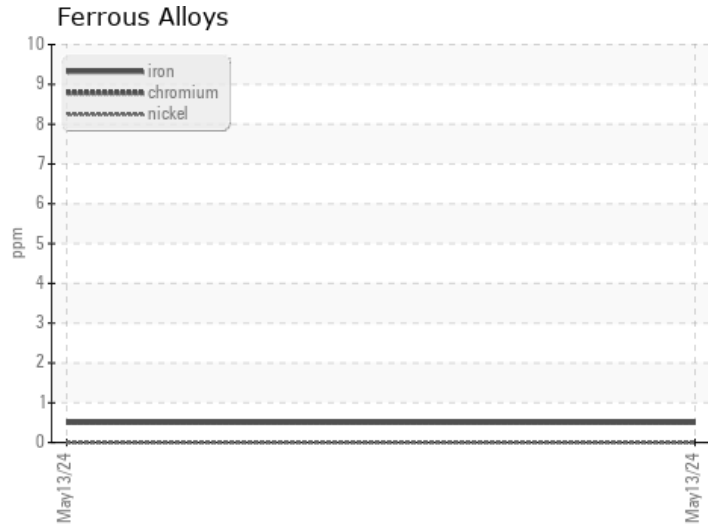
PQ		<b>16</b>	---	---	---
Iron	ppm	<b>&lt;1</b>	---	---	---
Copper	ppm	<b>&lt;1</b>	---	---	---
Lead	ppm	<b>0</b>	---	---	---
Tin	ppm	<b>&lt;1</b>	---	---	---
Aluminum	ppm	<b>8</b>	---	---	---
Chromium	ppm	<b>&lt;1</b>	---	---	---
Molybdenum	ppm	<b>0</b>	---	---	---
Nickel	ppm	<b>0</b>	---	---	---
Titanium	ppm	<b>&lt;1</b>	---	---	---
Silver	ppm	<b>0</b>	---	---	---
Manganese	ppm	<b>0</b>	---	---	---
Vanadium	ppm	<b>1</b>	---	---	---

## ADDITIVES

Calcium	ppm	<b>0</b>	---	---	---
Magnesium	ppm	<b>2</b>	---	---	---
Zinc	ppm	<b>0</b>	---	---	---
Phosphorus	ppm	<b>2</b>	---	---	---
Barium	ppm	<b>0</b>	---	---	---
Boron	ppm	<b>0</b>	---	---	---

**Depot:** BORBAS  
**Unique No:** 11031936  
**Signed:** Wes Davis  
**Report Date:** 16 May 2024

# GRAPHS



ISO 4406:1999 Cleanliness Code