

# MACH 240 - HYDRAULIC SYSTEM

**Sample No:** WC0886748

**Oil Type:** NOCO NOCOLUBE AW 46

## SAMPLE INFORMATION

Sample Number	<b>WC0886748</b>	WC0886747	WC0784140	---
Sample Date	<b>09 Apr 2024</b>	19 Mar 2024	04 Aug 2023	---
Machine Hours	<b>0</b>	0	0	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Filtered</b>	Not Changd	Not Changd	---
Sample Status	<b>SEVERE</b>	SEVERE	SEVERE	---

### ALLIANCE PRECISION PLASTICS

1220 LEE RD  
ROCHESTER, NY  
US 14606  
Contact: RON ORT  
rort@allianceppc.com  
T:  
F: (716)425-7251

## OIL CONDITION

Visc @ 40°C	cSt	<b>43.3</b>	43.3	41.7	---
Acid Number (AN)	mg KOH/g	<b>0.27</b>	0.24	0.24	---

## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>702</b>	1126	143	---
Particles >6µm		<b>233</b>	368	59	---
Particles >14µm		<b>20</b>	52	8	---
ISO 4406:1999 (c)		<b>17/15/11</b>	17/16/13	14/13/10	---
Silicon	ppm	<b>▲ 52</b>	▲ 70	▲ 86	---
Sodium	ppm	<b>0</b>	<1	0	---
Potassium	ppm	<b>&lt;1</b>	0	0	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil filtered the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

## WEAR METALS

Iron	ppm	<b>&lt;1</b>	0	<1	---
Copper	ppm	<b>&lt;1</b>	0	0	---
Lead	ppm	<b>&lt;1</b>	0	0	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>2</b>	0	0	---
Chromium	ppm	<b>&lt;1</b>	0	0	---
Molybdenum	ppm	<b>&lt;1</b>	0	0	---
Nickel	ppm	<b>&lt;1</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	0	0	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>60</b>	49	60	---
Magnesium	ppm	<b>3</b>	0	3	---
Zinc	ppm	<b>456</b>	432	478	---
Phosphorus	ppm	<b>382</b>	334	374	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	0	0	---

**Depot:** AMPROC  
**Unique No:** 10993866  
**Signed:** Don Baldrige  
**Report Date:** 25 Apr 2024

# GRAPHS

