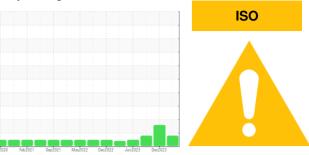


# **OIL ANALYSIS REPORT**

SAMPLE INFORMATION method

Sample Rating Trend

limit/base



current

history1

history2

Machine Id

# **PUMP STAND**

Component Hydraulic System Fluid MILITARY MIL-H-83282C (--- GAL)

#### DIAGNOSIS

#### A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

## Wear

All component wear rates are normal.

## Contamination

There is a high amount of particulates present in the oil. The system cleanliness is above the acceptable limit for the target SAE AS4059 (replaces NAS 1638) cleanliness code. Chlorine measured at 0.0 ppm.

#### Fluid Condition

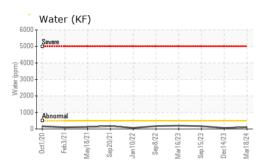
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

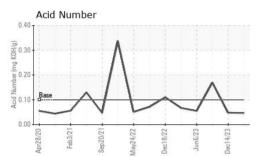
SAMPLE INFORM	ATION	method	limit/base	current	nistory i	nistory2
Sample Number		Client Info		WC0768785	WC0874944	WC0768844
Sample Date		Client Info		18 Mar 2024	14 Dec 2023	15 Sep 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Filtered	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m		0	0	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m	200	<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	ppm	method	limit/base	current	history1	history2
Boron			IIIIIVDase		0	0
	ppm	ASTM D5185m		0	0	0
Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m		0		0
,	ppm			0	0	
Manganese	ppm	ASTM D5185m		-	0	<1
Magnesium	ppm	ASTM D5185m		0	2	1
Calcium	ppm	ASTM D5185m		-		<1
Phosphorus	ppm	ASTM D5185m		747	698	621
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		0	13	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>15	1	<u> </u>	3
Sodium	ppm	ASTM D5185m		<1	0	2
Potassium	ppm	ASTM D5185m	>20	0	0	0
Chlorine Content	ppm	ASTM D5185m		0.000	8.60	
Water	%		>0.05	0.010	0.006	0.016
ppm Water	ppm	ASTM D6304	>500	109	62	166.3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles 5-15µm	count	*NAS 1638	>16000	<u> </u>	9320	▲ 39021
Particles 15-25µm	count	*NAS 1638	>2850	1925	830	2245
Particles 25-50µm	count	*NAS 1638	>506	<b>647</b>	246	<u> </u>
Particles 50-100µm	count	*NAS 1638	>90	38	17	20
Particles >100µm	count	*NAS 1638	>16	0	0	0
NAS 1638	Class	*NAS 1638	>6	9	6	8
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	0.046	0.048	0.169
	-					

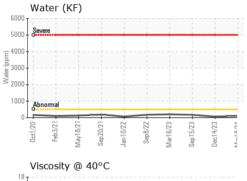
Contact/Location: MIKE BOUCHER - NORPLAMA Page 1 of 2

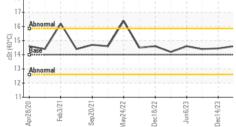


# **OIL ANALYSIS REPORT**



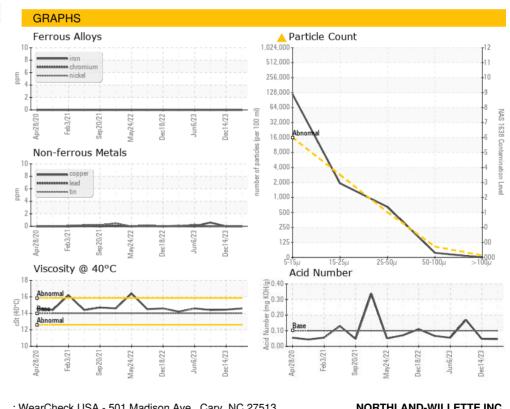


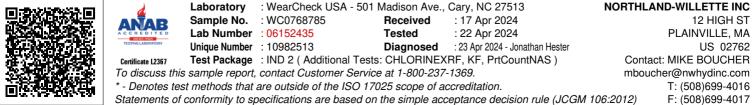




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	14.0	14.6	14.45	14.4
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
						1

Bottom





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