

# **OIL ANALYSIS REPORT**

ISO

Machine Id TP-6 Component Hydraulic System Fluid {not provided} (--- 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.

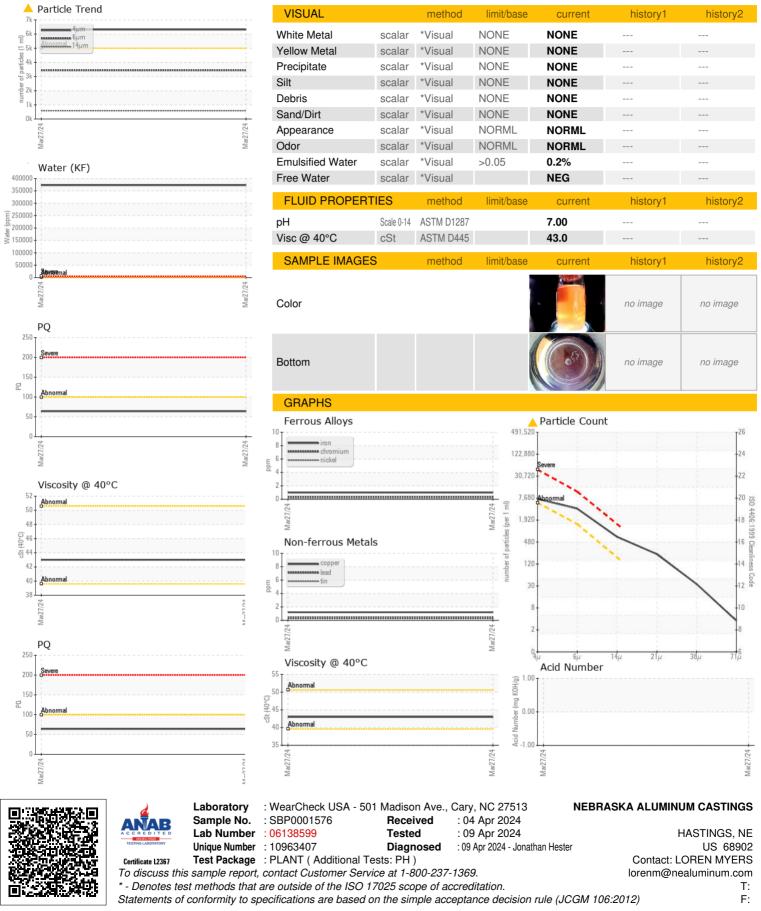
#### Fluid Condition

The pH level of this fluid is within the acceptable limits at 7.0. The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0001576		
Sample Date		Client Info		27 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		64		
Iron	ppm	ASTM D5185m	>20	1		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	1		
Lead	ppm	ASTM D5185m		<1		
Copper	ppm	ASTM D5185m	>20	1		
Tin	ppm	ASTM D5185m		<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		ں <1		
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ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		3		
Phosphorus	ppm	ASTM D5185m		1		
Zinc	ppm	ASTM D5185m		3		
Sulfur	ppm	ASTM D5185m		0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.05	37.3		
ppm Water	ppm	ASTM D6304	>500	373000		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>6</b> 316		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	<b>586</b>		
Particles >21µm		ASTM D7647	>40	<u> </u>		
Particles >38µm		ASTM D7647	>10	<u> </u>		
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Contact/Location: LOREN MYERS - NEBHASNE