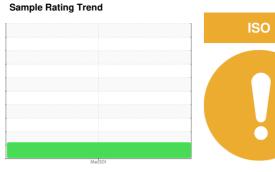


# **OIL ANALYSIS REPORT**



Machine Id DC-3 Component **Hydraulic System** {not provided} (--- GAL)

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is a moderate amount of particulates present in the oil.

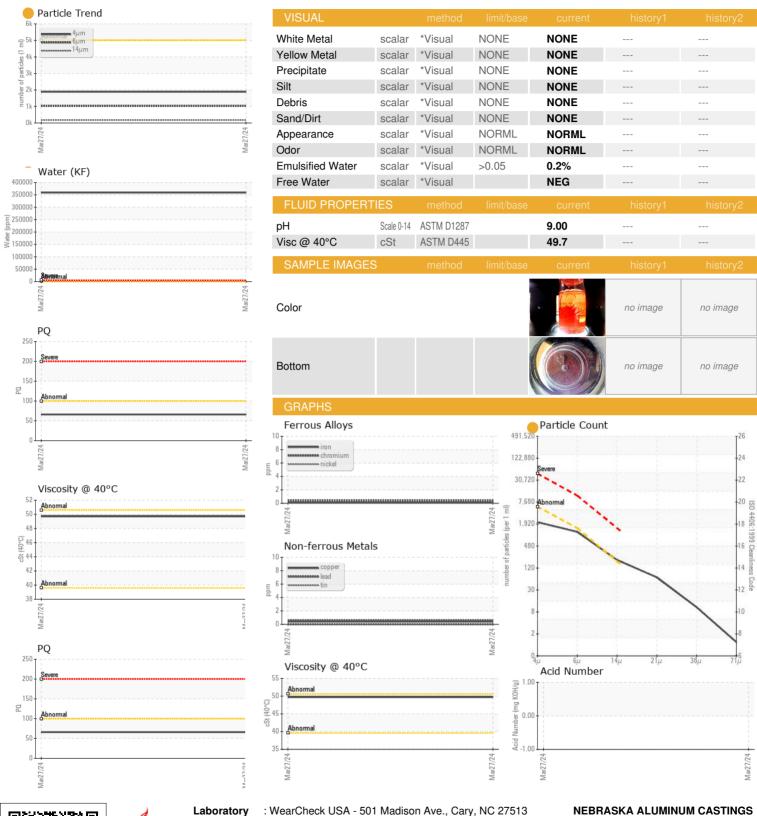
### **Fluid Condition**

The pH level of this fluid is within the acceptable limits at 9.0. The condition of the oil is acceptable for the time in service.

				Mar2024		
CAMPLE INFORM	AATION		11. 11.0		111	111
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0001594		
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				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		66		
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	2		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	<1		
Tin	ppm	ASTM D5185m	>20	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
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		3		
Zinc	ppm	ASTM D5185m		3		
Sulfur	ppm	ASTM D5185m		0		
			11 15 11			
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.05	35.9		
ppm Water	ppm	ASTM D6304	>500	359000		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1888		
Particles >6µm		ASTM D7647	>1300	1028		
Particles >14µm		ASTM D7647	>160	<u> </u>		
Particles >21µm		ASTM D7647	>40	<b>5</b> 9		
Particles >38µm		ASTM D7647	>10	9		
Particles >71μm		ASTM D7647	>3	1		



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: SBP0001594 Lab Number : 06138593

Unique Number : 10963401

Received **Tested** 

Diagnosed Test Package : PLANT ( Additional Tests: PH )

: 04 Apr 2024

: 09 Apr 2024 : 09 Apr 2024 - Jonathan Hester

US 68902 Contact: LOREN MYERS lorenm@nealuminum.com T:

To discuss this sample report, contact Customer Service at 1-800-237-1369.  $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F:

HASTINGS, NE