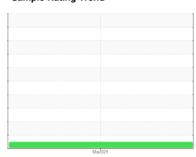


OIL ANALYSIS REPORT

Sample Rating Trend







TP-9
Component
Hydraulic System
Fluid
{not provided} (--- GAL)

DIAGNOSIS

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 no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

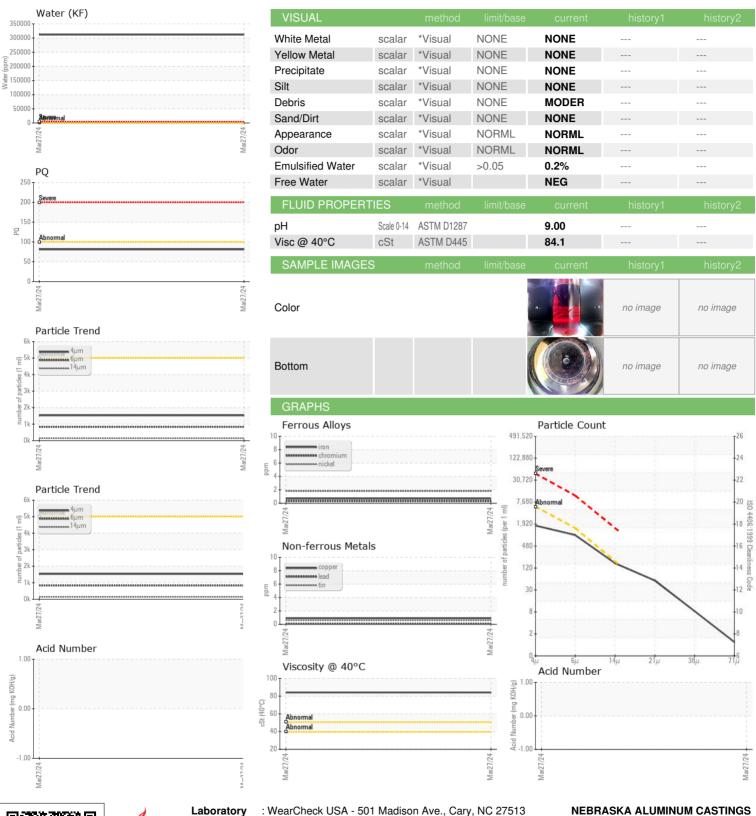
Fluid Condition

The oil viscosity is lower than normal. 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			
0.1.101.5						
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0001579		
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				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		81		
Iron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	2		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		1		
Aluminum	ppm	ASTM D5185m	>20	1		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>20	<1		
Tin	ppm	ASTM D5185m	>20	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		5		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		2		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		2		
-	ppm	ASTM D5185m		4		
Calcium	ppm	ASTM D5185m		8		
Phosphorus	ppm	ASTM D5185m		3		
	ppm	ASTM D5185m		58		
	ppm	ASTM D5185m		13		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		2		
	ppm	ASTM D5185m	>20	2		
	%	ASTM D6304	>0.05	31.2		
ppm Water	ppm	ASTM D6304	>500	312000		
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1531		
Particles >6µm		ASTM D7647	>1300	834		
Particles >14µm		ASTM D7647	>160	143		
Particles >21µm		ASTM D7647	>40	48		
Particles >38µm		ASTM D7647	>10	7		
Particles >71µm		ASTM D7647		1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/17/14		
		3 - 1.00 (0)		, ,		



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

Lab Number : 06138606

: SBP0001579

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Unique Number : 10963414 Test Package : PLANT (Additional Tests: PH)

Received : 04 Apr 2024 **Tested** : 10 Apr 2024 Diagnosed

: 10 Apr 2024 - Jonathan Hester

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

 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)

Report Id: NEBHASNE [WUSCAR] 06138606 (Generated: 04/12/2024 15:15:52) Rev: 1

Contact/Location: LOREN MYERS - NEBHASNE

F: