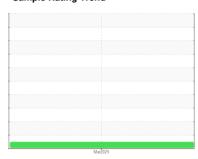


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id

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

		IS

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.

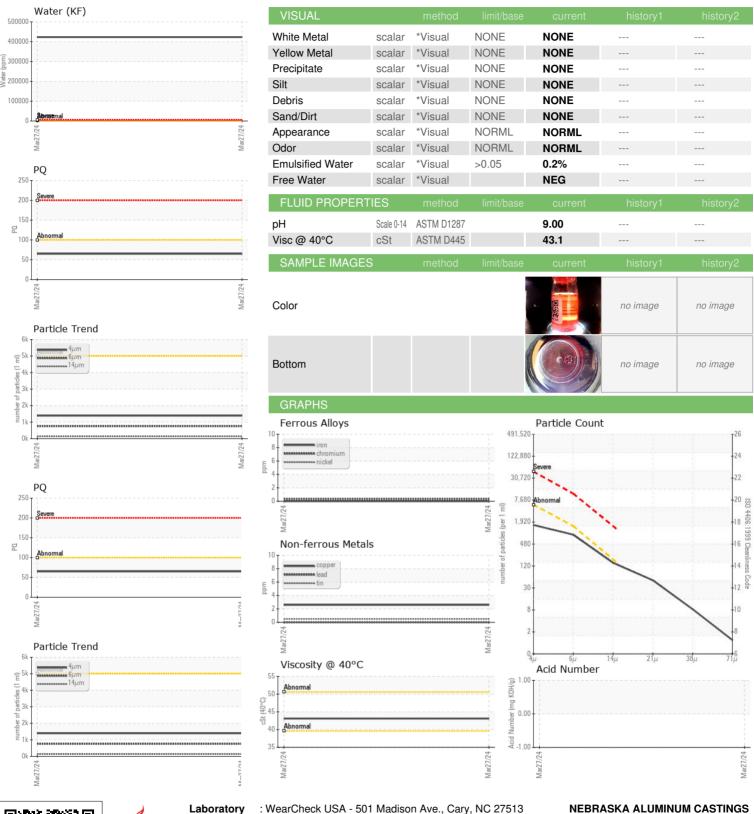
Fluid Condition

The 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			
SAMPLE INFORMA	NOITA	method	limit/base	current	history1	history2	
Sample Number		Client Info		SBP0001600			
Sample Date		Client Info		27 Mar 2024			
	nrs	Client Info		0			
J .	nrs	Client Info		0			
Oil Changed		Client Info		N/A			
Sample Status				NORMAL			
WEAR METALS		method	limit/base	current	history1	history2	
PQ		ASTM D8184		65			
Iron	opm	ASTM D5185m	>20	0			
Chromium	opm	ASTM D5185m	>20	<1			
Nickel	opm	ASTM D5185m	>20	<1			
Titanium	opm	ASTM D5185m		<1			
Silver	opm	ASTM D5185m		0			
Aluminum	opm	ASTM D5185m	>20	2			
Lead	opm	ASTM D5185m	>20	0			
Copper	opm	ASTM D5185m	>20	3			
Tin	opm	ASTM D5185m	>20	<1			
Vanadium	opm	ASTM D5185m		<1			
Cadmium	opm	ASTM D5185m		<1			
ADDITIVES		method	limit/base	current	history1	history2	
Boron	opm	ASTM D5185m		0			
Barium	opm	ASTM D5185m		0			
Molybdenum	opm	ASTM D5185m		0			
Manganese	opm	ASTM D5185m		<1			
Magnesium	opm	ASTM D5185m		<1			
Calcium	opm	ASTM D5185m		3			
Phosphorus	opm	ASTM D5185m		2			
Zinc	opm	ASTM D5185m		<1			
Sulfur	opm	ASTM D5185m		0			
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	opm	ASTM D5185m	>15	<1			
Sodium	opm	ASTM D5185m		2			
Potassium	opm	ASTM D5185m	>20	1			
Water	%	ASTM D6304	>0.05	42.3			
ppm Water	opm	ASTM D6304	>500	423000			
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647	>5000	1392			
Particles >6µm		ASTM D7647	>1300	758			
Particles >14μm		ASTM D7647	>160	129			
Particles >21µm		ASTM D7647	>40	43			
Particles >38µm		ASTM D7647	>10	7			
Particles >71µm		ASTM D7647	>3	1			
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/17/14			



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: SBP0001600 Lab Number : 06138596 Unique Number : 10963404

Diagnosed : 09 Apr 2024 - Jonathan Hester

Received

Tested

: 04 Apr 2024

: 09 Apr 2024

Test Package : PLANT (Additional Tests: PH) 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)

HASTINGS, NE US 68902

Contact: LOREN MYERS lorenm@nealuminum.com

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F: