

OIL ANALYSIS REPORT

Sample Rating Trend

ISO



NOT GIVEN Machine Id B4-N Component Gearbox

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

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

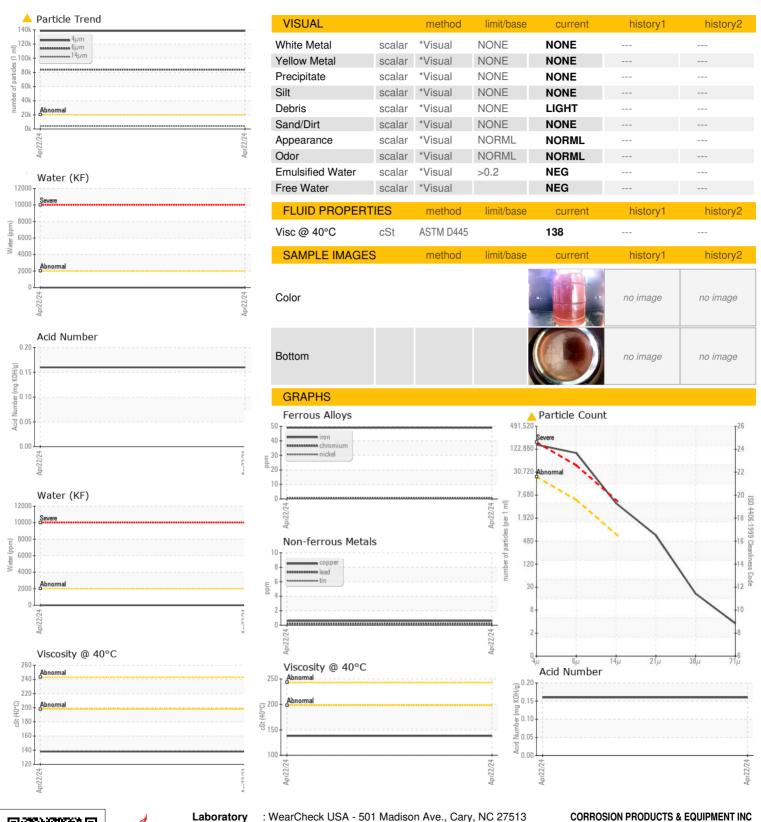
Fluid Condition

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

				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06156979		
Sample Date		Client Info		22 Apr 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
Iron	ppm	ASTM D5185m	>200	49		
Chromium	ppm	ASTM D5185m	>15	<1		
Nickel	ppm	ASTM D5185m	>15	<1		
Titanium	ppm	ASTM D5185m		1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	3		
Lead	ppm	ASTM D5185m	>100	<1		
Copper	ppm	ASTM D5185m	>200	<1		
Tin	ppm	ASTM D5185m	>25	<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		<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		10		
Phosphorus	ppm	ASTM D5185m		451		
Zinc	ppm	ASTM D5185m		7		
Sulfur	ppm	ASTM D5185m		599		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	10		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>0.2	0.00		
ppm Water	ppm	ASTM D6304	>2000	0		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>20000	<u>▲</u> 138523		
Particles >6μm		ASTM D7647	>5000	<u>A</u> 83883		
Particles >14μm		ASTM D7647	>640	<u>4110</u>		
Particles >21µm		ASTM D7647	>160	△ 603		
Particles >38µm		ASTM D7647	>40	18		
Particles >71µm		ASTM D7647	>10	3		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>4</u> 24/24/19		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.16		



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Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : UCH06156979 Lab Number : 06156979

Received **Tested** Unique Number : 10992402 Diagnosed

: 22 Apr 2024 : 23 Apr 2024 : 25 Apr 2024 - Jonathan Hester

110 ELMGROVE PARK ROCHESTER, NY US 14624 Contact: DAVE HUNGARTER

Test Package : IND 2 (Additional Tests: KF, PrtCount) Certificate 12367 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: (585)247-7268 Contact/Location: DAVE HUNGARTER - UCCORROC

T: (585)247-3030