

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area **NOT** GIVEN Machine Id **B4-S** 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.

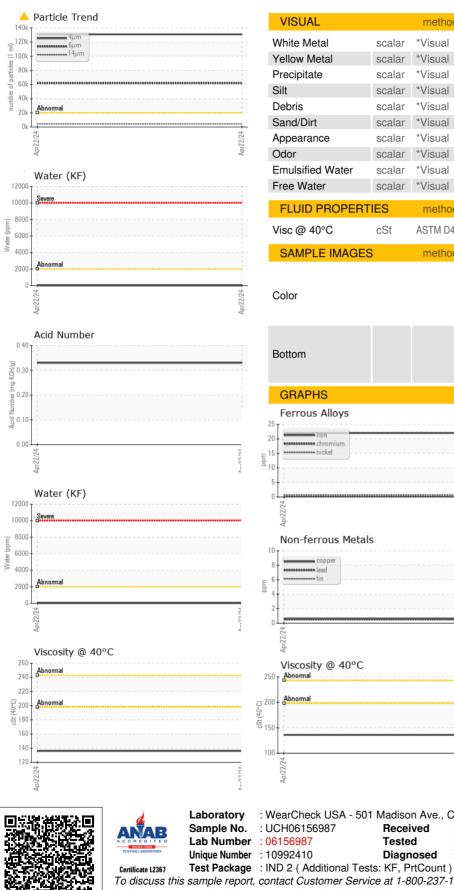
Fluid Condition

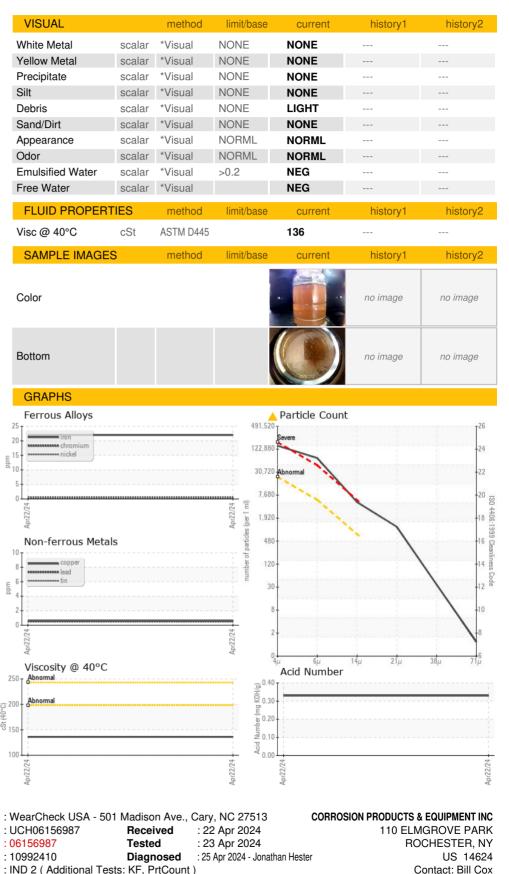
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sample NumberClient InfoUCH0615699Sample DateClient Info0Machine AgehrsClient Info0Oil AgehrsClient InfoN/AOil ChangedClient InfoN/AWEAR METALSmethodImithasecurrenthistoryhistoryWEAR METALSmethodImithasecurrenthistoryNickelppmASTM 05158>15<1NickelppmASTM 05158>15<1SilverppmASTM 05158>253AluminumppmASTM 05158>25<1AgentASTM 05158>25<1AdaminumppmASTM 05158>25<1AdaminumppmASTM 05158>25<1AdaminumppmASTM 05158>25<1AdaminumppmASTM 05158>25<1AdaminumppmASTM 05158<1AdaminumppmASTM 05158<1AdaminumppmASTM 05158<1AdaminumppmASTM 05158<1 <th>SAMPLE INFORM</th> <th>MATION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 Oil Aganged Kis Client Info N/A Sample Status In Index RAPNORMAL WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM 05185m >200 22 Nickel ppm ASTM 05185m >15 <1 Nickel ppm ASTM 05185m >15 <1 Silver ppm ASTM 05185m >10 <1 Copper ppm ASTM 05185m >200 <1 Cadmium ppm ASTM 05185m >200 <1 ADDITIVES method Imit/base current Imitory2 Manganese ppm ASTM 05185m >20 <1 ADDITIVES method Imit/base current History1 History2 Manganese ppm ASTM 05185m <1 Molybenum ppm ASTM 05185m <td< th=""><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>UCH06156987</th><th></th><th></th></td<>	Sample Number		Client Info		UCH06156987		
Oil Age Inrs Client Info 0 Sample Status Client Info N/A WEAR METALS method limit/base current history1 history2 Iron ppm ASTM 05185m >200 22 Chromium ppm ASTM 05185m >15 <1	Sample Date		Client Info		22 Apr 2024		
Oli Changed Client Info N/A Sample Status Image Image Current history1 history2 WEAR METALS method limit/base current history1 Near ASTM D5185m >200 22 Chromium ppm ASTM D5185m >15 <1	Machine Age	hrs	Client Info		0		
Sample Status method Imit/base current history1 history2 Iron ppm ASTM D5185m >200 22 Chromium ppm ASTM D5185m >15 <1	Oil Age	hrs	Client Info		0		
Sample Status method Imit/base current history1 history2 Iron ppm ASTM D5185m >200 22 Chromium ppm ASTM D5185m >15 <1	Oil Changed		Client Info		N/A		
Iron ppm ASTM D5185m >200 22 Chromium ppm ASTM D5185m >15 <1	•				ABNORMAL		
Chromium ppm ASTM D5185m >15 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >15 <1 Titanium ppm ASTM D5185m <1	Iron	ppm	ASTM D5185m	>200	22		
Nickel ppm ASTM D5185m >15 <1 Titanium ppm ASTM D5185m <	Chromium	ppm	ASTM D5185m	>15	<1		
Titanium ppm ASTM D5185m <1	Nickel		ASTM D5185m	>15	<1		
Silver ppm ASTM D5185m <1 Aluminum ppm ASTM D5185m >25 3 Lead ppm ASTM D5185m >200 <1	Titanium		ASTM D5185m		<1		
Aluminum ppm ASTM D5185m >25 3 Lead ppm ASTM D5185m >100 <1	Silver		ASTM D5185m		<1		
Lead ppm ASTM D5185m >100 <1	Aluminum		ASTM D5185m	>25			
Copper ppm ASTM D5185m >200 <1 Tin ppm ASTM D5185m >25 <1	Lead						
Tin ppm ASTM D5185m >25 <1 Vanadium ppm ASTM D5185m <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m <1 Magnese ppm ASTM D5185m <1 Manganese ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 1 Manganesum ppm ASTM D5185m 442 Calcium ppm ASTM D5185m 50 13 Sulfur ppm ASTM D5185m >0 3 Sulfur ppm ASTM D5185m >0 13 Sulfur ppm <	Copper		ASTM D5185m	>200			
Vanadium ppm ASTM D5185m <1 Cadmium 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 <1 Molybdenum ppm ASTM D5185m <1 Manganese ppm ASTM D5185m <1 Manganese ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 442 Calcium ppm ASTM D5185m 442 Sulfur ppm ASTM D5185m 497 Sulfur ppm ASTM D5185m 50 13 Sodium ppm ASTM D5185m >0 3 Sodium ppm ASTM D5185m 20				-			
Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m <1							
Barium ppm ASTM D5185m <1	ADDITIVES		method	limit/base	current	history1	history2
Barium ppm ASTM D5185m <1 Molybdenum ppm ASTM D5185m <1	Boron	mag	ASTM D5185m		0		
Molybdenum ppm ASTM D5185m <1	Barium						
Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 11 Phosphorus ppm ASTM D5185m 442 Zinc ppm ASTM D5185m 442 Sulfur ppm ASTM D5185m 497 Sulfur ppm ASTM D5185m 497 Solicon ppm ASTM D5185m >50 13 Sodium ppm ASTM D5185m >20 3 Potassium ppm ASTM D6304 >0.2 0.001 Water % ASTM D6304 >2000 1 ppm Water ppm ASTM D7647 >20000 130768 Particles >4µm ASTM D7647 >20000 130768 Particles >4µm							
Magnesium ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 442 Phosphorus ppm ASTM D5185m 442 Zinc ppm ASTM D5185m 497 Sulfur ppm ASTM D5185m 497 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 13 Sodium ppm ASTM D5185m >20 3 Potassium ppm ASTM D5185m >20 3 Water % ASTM D6304 >0.2 0.001 ppm Water ppm ASTM D7647 >2000 130768 Particles >4µm ASTM D7647 >5000 61794 Particles >6µm ASTM D7647 >640 4400	-						
Calcium ppm ASTM D5185m 11 Phosphorus ppm ASTM D5185m 442 Zinc ppm ASTM D5185m 5 Sulfur ppm ASTM D5185m 497 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 13 Sodium ppm ASTM D5185m >50 13 Potassium ppm ASTM D5185m >20 3 Water % ASTM D5185m >20 3 ppm Water ppm ASTM D6304 >0.2 0.001 Particles >4µm ASTM D7647 >2000 130768 Particles >4µm ASTM D7647 >2000 130768 Particles >4µm ASTM D7647 >2000 130768	-						
Phosphorus ppm ASTM D5185m 442 Zinc ppm ASTM D5185m 5 Sulfur ppm ASTM D5185m 497 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 13 Sodium ppm ASTM D5185m >50 13 Sodium ppm ASTM D5185m >20 3 Potassium ppm ASTM D5185m >20 3 Water % ASTM D6304 >0.2 0.001 ppm Water ppm ASTM D7647 >2000 130768 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 130768 <	U						
Zinc ppm ASTM D5185m 5 Sulfur ppm ASTM D5185m 497 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 13 Sodium ppm ASTM D5185m >50 13 Potassium ppm ASTM D5185m >20 3 Vater % ASTM D6304 >0.2 0.001 ppm Water ppm ASTM D6304 >20.0 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 130768 Particles >4µm ASTM D7647 >640 4400 Particles >21µm ASTM D7647 >160 994 Particles >38µm ASTM D7647 >10 1							
SulfurppmASTM D5185m497CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>5013SodiumppmASTM D5185m>203PotassiumppmASTM D6304>0.20.001Water%ASTM D6304>20001ppm WaterppmASTM D6304>20001FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>20000130768Particles >6µmASTM D7647>500061794Particles >1µmASTM D7647>6404400Particles >21µmASTM D7647>1001Particles >71µmASTM D7647>101Oil CleanlinessIs0 4406 (c)>21/19/1624/23/19FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2							
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>5013SodiumppmASTM D5185m0PotassiumppmASTM D5185m>203PotassiumppmASTM D5185m>203Water%ASTM D6304>0.20.001ppm WaterppmASTM D6304>20001FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>200004130768Particles >6µmASTM D7647>5000461794Particles >14µmASTM D7647>64044400Particles >21µmASTM D7647>160994Particles >38µmASTM D7647>101Oil CleanlinessISO 4406 (c)>21/19/1624/23/19FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2							
Silicon ppm ASTM D5185m >50 13 Sodium ppm ASTM D5185m >20 3 Potassium ppm ASTM D5185m >20 3 Water % ASTM D6304 >0.2 0.001 Water ppm ASTM D6304 >2000 1 ppm Water ppm ASTM D6304 >2000 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 ▲ 130768 Particles >6µm ASTM D7647 >20000 ▲ 130768 Particles >1µm ASTM D7647 >5000 ▲ 61794 Particles >1µm ASTM D7647 >640 4400 Particles >38µm ASTM D7647 >10 1 Particles >71µm ASTM D7				11 11 11	-		
Sodium ppm ASTM D5185m 0 Potassium ppm ASTM D5185m >20 3 Water % ASTM D6304 >0.2 0.001 ppm Water ppm ASTM D6304 >2000 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 ▲ 130768 Particles >6µm ASTM D7647 >5000 ▲ 61794 Particles >6µm ASTM D7647 >640 ▲ 4400 Particles >14µm ASTM D7647 >160 ● 994 Particles >38µm ASTM D7647 >10 1 Particles >71µm ASTM D7647 >10 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/23/19 <th></th> <th></th> <th></th> <th></th> <th></th> <th>nistory i</th> <th>nistory2</th>						nistory i	nistory2
Potassium ppm ASTM D5185m >20 3 Water % ASTM D6304 >0.2 0.001 ppm Water ppm ASTM D6304 >2000 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 ▲ 130768 Particles >6µm ASTM D7647 >5000 ▲ 61794 Particles >14µm ASTM D7647 >640 ▲ 4400 Particles >21µm ASTM D7647 >160 ● 994 Particles >38µm ASTM D7647 >10 1 Particles >71µm ASTM D7647 >10 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/23/19 FLUID DEGRADATION method limit/base current history1				>50			
Water % ASTM D6304 >0.2 0.001 ppm Water ppm ASTM D6304 >2000 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 130768 Particles >6µm ASTM D7647 >5000 61794 Particles >14µm ASTM D7647 >640 4400 Particles >21µm ASTM D7647 >160 994 Particles >38µm ASTM D7647 >10 1 Particles >71µm ASTM D7647 >10 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/23/19 FLUID DEGRADATION method limit/base current history1 history2		ppm					
ppm Water ppm ASTM D6304 >2000 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 130768 Particles >6µm ASTM D7647 >5000 61794 Particles >6µm ASTM D7647 >640 4400 Particles >14µm ASTM D7647 >160 994 Particles >38µm ASTM D7647 >100 1 Particles >71µm ASTM D7647 >10 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/23/19 FLUID DEGRADATION method limit/base current history1 history2							
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 ▲ 130768 Particles >6µm ASTM D7647 >5000 ▲ 61794 Particles >6µm ASTM D7647 >640 ▲ 4400 Particles >14µm ASTM D7647 >160 ▲ 994 Particles >21µm ASTM D7647 >160 ▲ 994 Particles >38µm ASTM D7647 >40 31 Particles >71µm ASTM D7647 >10 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/23/19 FLUID DEGRADATION method limit/base current history1 history2		%					
Particles >4µm ASTM D7647 >20000 ▲ 130768 Particles >6µm ASTM D7647 >5000 ▲ 61794 Particles >14µm ASTM D7647 >640 ▲ 4400 Particles >14µm ASTM D7647 >160 ▲ 994 Particles >21µm ASTM D7647 >160 ▲ 994 Particles >38µm ASTM D7647 >40 31 Particles >71µm ASTM D7647 >10 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/23/19 FLUID DEGRADATION method limit/base current history1 history2	ppm Water	ppm	ASTM D6304	>2000	1		
Particles >6µm ASTM D7647 >5000 ▲ 61794 Particles >14µm ASTM D7647 >640 ▲ 4400 Particles >21µm ASTM D7647 >160 ▲ 994 Particles >38µm ASTM D7647 >40 31 Particles >38µm ASTM D7647 >10 1 Particles >71µm ASTM D7647 >10 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/23/19 FLUID DEGRADATION method limit/base current history1 history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14μm ASTM D7647 >640 ▲ 4400 Particles >21μm ASTM D7647 >160 ● 994 Particles >38μm ASTM D7647 >40 31 Particles >38μm ASTM D7647 >40 31 Particles >71μm ASTM D7647 >10 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/23/19 FLUID DEGRADATION method limit/base current history1 history2	•						
Particles >21μm ASTM D7647 >160 ▲ 994 Particles >38μm ASTM D7647 >40 31 Particles >37μm ASTM D7647 >10 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/23/19 FLUID DEGRADATION method limit/base current history1 history2	Particles >6µm		ASTM D7647	>5000	<u> </u>		
Particles >38μm ASTM D7647 >40 31 Particles >71μm ASTM D7647 >10 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/23/19 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm		ASTM D7647	>640	4400		
Particles >71μm ASTM D7647 >10 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/23/19 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>160	<mark>/</mark> 994		
Oil Cleanliness ISO 4406 (c) >21/19/16 24/23/19 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>40	31		
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>10	1		
	Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 24/23/19		
Acid Number (AN) mg KOH/g ASTM D8045 0.33	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.33		



OIL ANALYSIS REPORT





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

* - 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: UCCORROC [WUSCAR] 06156987 (Generated: 04/25/2024 08:04:14) Rev: 1

Contact/Location: Bill Cox - UCCORROC

cox@corrosion-products.com

T: (585)455-7978

F: (585)247-7268