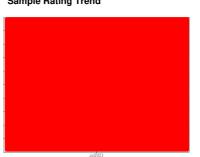


COOLANT REPORT

Sample Rating Trend





B LINE KRONES - AGGREGATE 3

Component

Gearbox

NOT GIVEN (--- GAL)

DIAGNOSI	

Recommendation

We advise that you check for the source of water/glycol entry. We advise that you follow the water drain-off procedure for this component. We advise an early resample to confirm this situation. We were unable to perform a particle count due to a high concentration of particles and water present in this sample.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. Excessive free water/glycol present. High concentration of visible dirt/debris present in the oil. Test for glycol is positive.

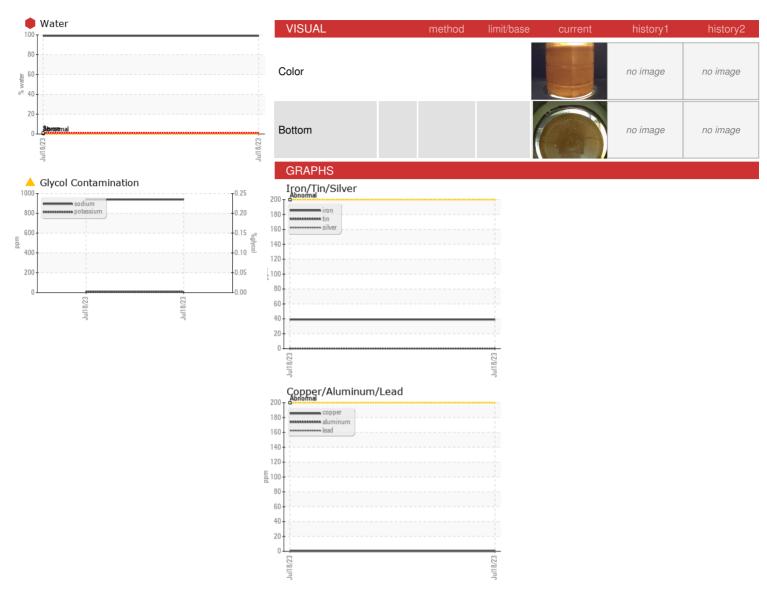
Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

Sample Date Client Info 18 Jul 2023 Machine Age hrs Client Info 0 Oil Age hrs Client Info N/A Oil Changed Client Info N/A Sample Status SEVERE CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 0 Boron ppm ASTM D5185m 2 Molybdenum ppm ASTM D5185m 2 CORROSION method limit/base current history1 history2 Iron ppm ASTM D5185m >20 39 Copper ppm ASTM D5185m >20 <1 <th></th> <th></th> <th></th> <th></th> <th>JUIZUZS</th> <th></th> <th></th>					JUIZUZS		
Sample Date Client Info 18 Jul 2023 Machine Age hrs Client Info 0 Oil Age hrs Client Info N/A Oil Changed Client Info N/A Sample Status SEVERE CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 0 Boron ppm ASTM D5185m 2 Molybdenum ppm ASTM D5185m 2 CORROSION method limit/base current history1 history2 Iron ppm ASTM D5185m >20 39 Copper ppm ASTM D5185m >20 <1	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status SEVERE CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 0 Boron ppm ASTM D5185m 2 Molybdenum ppm ASTM D5185m 2 CORROSION method limit/base current history1 history2 Iron ppm ASTM D5185m >200 39 Copper ppm ASTM D5185m >200 <1	Sample Number		Client Info		USP255332		
Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status SEVERE CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D5185m 17 Phosphorus ppm ASTM D5185m 0 Boron ppm ASTM D5185m 2 Molybdenum ppm ASTM D5185m 2 CORROSION method limit/base current history1 history2 Iron ppm ASTM D5185m >200 39 COPROSION method limit/base current history1 history2 Iron ppm ASTM D5185m >200 -1 Copper ppm ASTM D5185m >20 -1 <td>Sample Date</td> <td></td> <td>Client Info</td> <td></td> <td>18 Jul 2023</td> <td></td> <td></td>	Sample Date		Client Info		18 Jul 2023		
Oil Changed Sample Status Client Info N/A CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D5185m 17 Phosphorus ppm ASTM D5185m 0 Boron ppm ASTM D5185m 2 Molybdenum ppm ASTM D5185m 2 CORROSION method limit/base current history1 history2 Iron ppm ASTM D5185m >200 39 Aluminum ppm ASTM D5185m >20 -1 Copper ppm ASTM D5185m >20 -1 Lead ppm ASTM D5185m >25 <1	Machine Age	hrs	Client Info		0		
Sample Status SEVERE CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D5185m 17 Phosphorus ppm ASTM D5185m 0 Boron ppm ASTM D5185m 2 Molybdenum ppm ASTM D5185m 2 CORROSION method limit/base current history1 history2 Iron ppm ASTM D5185m >20 39 Copper ppm ASTM D5185m >20 Lead ppm ASTM D5185m >20 Lead ppm ASTM D5185m >25 <1	Oil Age	hrs	Client Info		0		
CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D5185m 17 Phosphorus ppm ASTM D5185m 0 Boron ppm ASTM D5185m 2 Molybdenum ppm ASTM D5185m 2 Molybdenum ppm ASTM D5185m 2 CORROSION method limit/base current history1 history2 Iron ppm ASTM D5185m >200 39 Copper ppm ASTM D5185m >200 <1	Oil Changed		Client Info		N/A		
Silicon	Sample Status				SEVERE		
Phosphorus ppm ASTM D5185m 0 Boron ppm ASTM D5185m 3 Molybdenum ppm ASTM D5185m 2 CORROSION method limit/base current history1 history2 Iron ppm ASTM D5185m >200 39 Aluminum ppm ASTM D5185m >25 0 Copper ppm ASTM D5185m >200 <1	CORROSION IN	HIBITORS	S method	limit/base	current	history1	history2
Boron	Silicon	ppm	ASTM D5185m		17		
Molybdenum ppm ASTM D5185m 2 CORROSION method limit/base current history1 history2 Iron ppm ASTM D5185m >200 39 Aluminum ppm ASTM D5185m >25 0 Copper ppm ASTM D5185m >200 <1	Phosphorus	ppm	ASTM D5185m		0		
CORROSION method limit/base current history1 history2 Iron ppm ASTM D5185m >200 39 Aluminum ppm ASTM D5185m >25 0 Copper ppm ASTM D5185m >200 <1	Boron	ppm	ASTM D5185m		3		
Iron ppm ASTM D5185m >200 39 Aluminum ppm ASTM D5185m >25 0 Copper ppm ASTM D5185m >200 <1 Lead ppm ASTM D5185m >100 0 Tin ppm ASTM D5185m 0 Zinc ppm ASTM D5185m 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D5185m 4 938 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D5185m 9 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D5185m 30	Molybdenum	ppm	ASTM D5185m		2		
Aluminum ppm ASTM D5185m >25 0 Copper ppm ASTM D5185m >200 <1	CORROSION		method	limit/base	current	history1	history2
Copper ppm ASTM D5185m >200 <1 Lead ppm ASTM D5185m >100 0 Tin ppm ASTM D5185m >25 <1	Iron	ppm	ASTM D5185m	>200	39		
Lead ppm ASTM D5185m >100 0 Tin ppm ASTM D5185m >25 <1	Aluminum	ppm	ASTM D5185m	>25	0		
Tin ppm ASTM D5185m >25 <1 Zinc ppm ASTM D5185m 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D5185m 1045 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D5185m 938 Potassium ppm ASTM D5185m 9 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D5185m 30	Copper	ppm	ASTM D5185m	>200	<1		
Zinc ppm ASTM D5185m 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D5185m 1045 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D5185m 938 Potassium ppm ASTM D5185m 9 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D5185m 30	Lead	ppm	ASTM D5185m	>100	0		
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D5185m 1045 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D5185m → 938 Potassium ppm ASTM D5185m 9 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D5185m 30	Tin	ppm	ASTM D5185m	>25	<1		
Chlorine ppm ASTM D5185m 1045 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D5185m ▲ 938 Potassium ppm ASTM D5185m 9 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D5185m 30	Zinc	ppm	ASTM D5185m		0		
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D5185m → 938 Potassium ppm ASTM D5185m 9 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D5185m 30	CONTAMINANT	S	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m ▲ 938 Potassium ppm ASTM D5185m 9 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D5185m 30	Chlorine	ppm	ASTM D5185m		1045		
Potassium ppm ASTM D5185m 9 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D5185m 30	CARRIER SALTS	S	method	limit/base	current	history1	history2
SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D5185m 30	Sodium	ppm	ASTM D5185m		938		
Calcium ppm ASTM D5185m 30	Potassium	ppm	ASTM D5185m		9		
pp	SCALE POTENT	TAL	method	limit/base	current	history1	history2
Magnesium ppm ASTM D5185m 31	Calcium	ppm	ASTM D5185m		30		
	Magnesium	ppm	ASTM D5185m		31		



COOLANT REPORT







Certificate L2367

Laboratory Sample No. Lab Number

: USP255332 : 05902714

Unique Number : 10564070 Test Package : COOL- (Additional Tests: COOL, ICP, KF, PrtCount, SCREEN)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 19 Jul 2023 : 24 Jul 2023 Diagnostician : Doug Bogart KraftHeinz - Woodstock - Plant 8337

1300 CLAUSSEN DR WOODSTOCK, IL US 60098 Contact: Service Manager

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)

T:

F: