NORMAL NORMAL NORMAL

WEC30-300970 NDE EBRL NO. 1034MC3 BRG GREASE (S/N 4648278)

ABB AM1630L4ABAFTH Non-Drive End Grease

KLUBERPLEX BEM 41-132 (55 GAL)

RECOMMENDATION

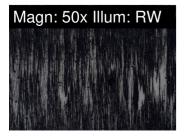
Resample at the next service interval to monitor.

				/		
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number				WC981218		
Sample Date				21 Jul 2017		
Machine Age	hrs			5682		
Grease Age	hrs			0		
Grease Serviced				N/A		
Sample Status				NORMAL		
PQ		In-house	>200	223		
Iron	ppm	ASTM D5185	>250	52		
Chromium	ppm	ASTM D5185	>10	0.7		

WEAR

All component wear rates are normal. The direct-reading & analytical ferrographic results are normal indicating no abnormal wear in the system.

Magn: 200x Illum: BC	
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Sample Number				WC981218	
Sample Date				21 Jul 2017	
Machine Age	hrs			5682	
Grease Age	hrs			0	
Grease Serviced				N/A	
Sample Status				NORMAL	
PQ		In-house	>200	223	
Iron	ppm	ASTM D5185	>250	52	
Chromium	ppm	ASTM D5185	>10	0.7	
Nickel	ppm	ASTM D5185	>5	0.0	
Titanium	ppm	ASTM D5185		0.0	
Vanadium	ppm	ASTM D5185		0.0	
Lead	ppm	ASTM D5185	>25	1.2	
Copper	ppm	ASTM D5185	>75	3.2	
Tin	ppm	ASTM D5185	>5	0.0	
Silver	ppm	ASTM D5185	>5	0.0	
Ferrous Rubbing	Scale 0-10	ASTM D7684		3	
Ferrous Sliding	Scale 0-10	ASTM D7684			
Ferrous Cutting	Scale 0-10	ASTM D7684			
Ferrous Rolling	Scale 0-10	ASTM D7684		2	
Ferrous Break-in	Scale 0-10	ASTM D7684			
Ferrous Spheres	Scale 0-10	ASTM D7684			
Ferrous Black Oxides	Scale 0-10	ASTM D7684			
Ferrous Red Oxides	Scale 0-10	ASTM D7684			
Ferrous Corrosive	Scale 0-10	ASTM D7684		1	
Ferrous Other	Scale 0-10	ASTM D7684			
Nonferrous Rubbing	Scale 0-10	ASTM D7684			
Nonferrous Sliding	Scale 0-10	ASTM D7684			
Nonferrous Cutting	Scale 0-10	ASTM D7684			
Nonferrous Rolling	Scale 0-10	ASTM D7684			
Nonferrous Other	Scale 0-10	ASTM D7684			
Carbonaceous Material	Scale 0-10	ASTM D7684			
Sand/Dirt	Scale 0-10	ASTM D7684		2	
Fibres	Scale 0-10	ASTM D7684			
Spheres	Scale 0-10	ASTM D7684			
Other	Scale 0-10	ASTM D7684			

GREASE CONDITION

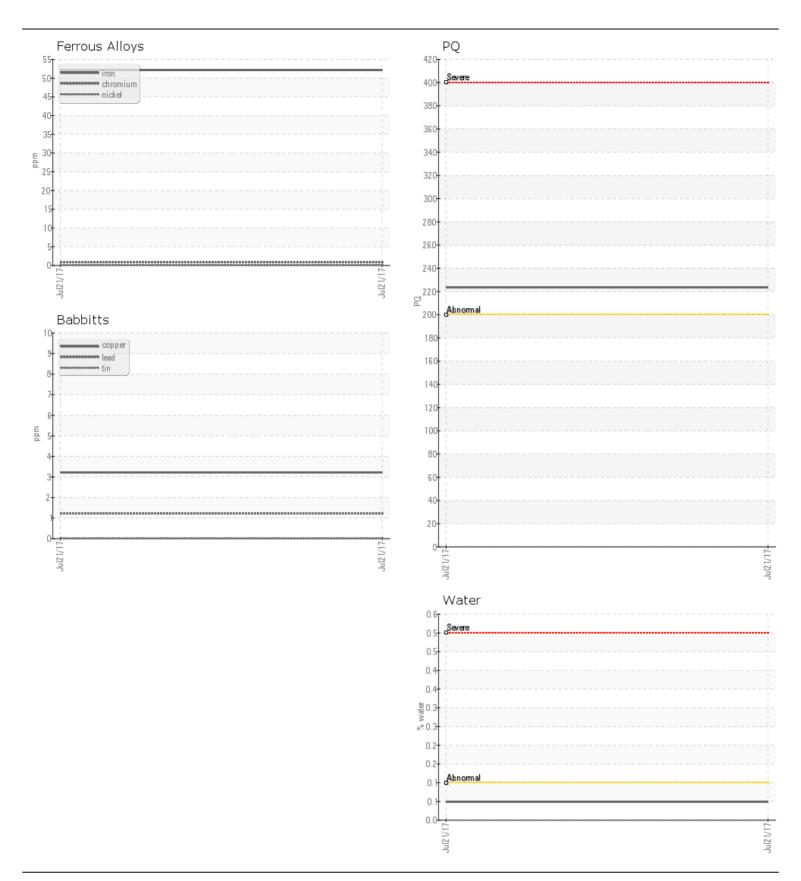
Linear Sweep Voltammetry (RULER – ASTM D6971) testing indicates normal levels of anti-oxidants present in the oil. The condition of the grease is acceptable for the time in service.

Boron	ppm	ASTM D5185	0	0.1	
Magnesium	ppm	ASTM D5185	0	0.0	
Manganese	ppm	ASTM D5185	0	0.2	
Molybdenum	ppm	ASTM D5185	400	624	
Phosphorus	ppm	ASTM D5185	120	128	
Zinc	ppm	ASTM D5185	0	5.3	
Aluminum	ppm	ASTM D5185	0	4.0	
Barium	ppm	ASTM D5185	0	0.1	
Calcium	ppm	ASTM D5185	0	6.1	
Sodium	ppm	ASTM D5185	5	9.9	
Sulfur	ppm	ASTM D5185	850	1003	
Grease Color		Visual	Yellow	Tan	
Oil Separation (Bleed)	%	SKF Method	>+/-25%	-7.7	
Anti-Oxidant 1	%	ASTM D6971	<25%	91	
Anti-Oxidant 2	%	ASTM D6971	<25%	101	
Silicon	ppm	ASTM D5185	>150	5.5	
Potassium	ppm	ASTM D5185		0.0	
Water	%	ASTM D6304	>0.1	0.048	

CONTAMINANTS

There is no indication of any contamination in the grease.

				L	L	
Silicon	ppm	ASTM D5185	>150	5.5		
Potassium	ppm	ASTM D5185		0.0		
Water	%	ASTM D6304	>0.1	0.048		
ppm Water	ppm	ASTM D6304	>1000	482.1		







Laboratory Sample No. Lab Number **Unique Number**

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC1234567 Received : 01234567 Diagnosed : 12345678

: 19 Sep 2017 Diagnostician : Bill Quesnel Test Package : GRS 3 (Additional Tests: BottomAnalysis, IPI, TBN)

: 18 Aug 2017

To discuss diagnosis or test data, contact Technical Support at 1-800-268-2131. To change component or sample information, contact Customer Service at 1-800-268-2131. **Cusany Logistics Inc.**

1212 Industrial Place Centerville, OH USA 75900 Contact: Jim Leduc

jim.leduc@cusanylogisticsinc.com T: (305)555-1212

F: (305)555-1222

