

## EHC Fluid Analysis Report

**Machine Type:** Hydraulic System  
**Lube Type:** FYRQUEL EHC FLUID  
**Machine MFG:** GENERAL ELECTRIC  
**Machine MOD:** 270T795-PR20  
**Received:** 04/11/2015  
**Report:** 04/15/2015  
**Sample No.:** 10/1/62  
**Analyst:** DR

**ATTN:**

**Problems**

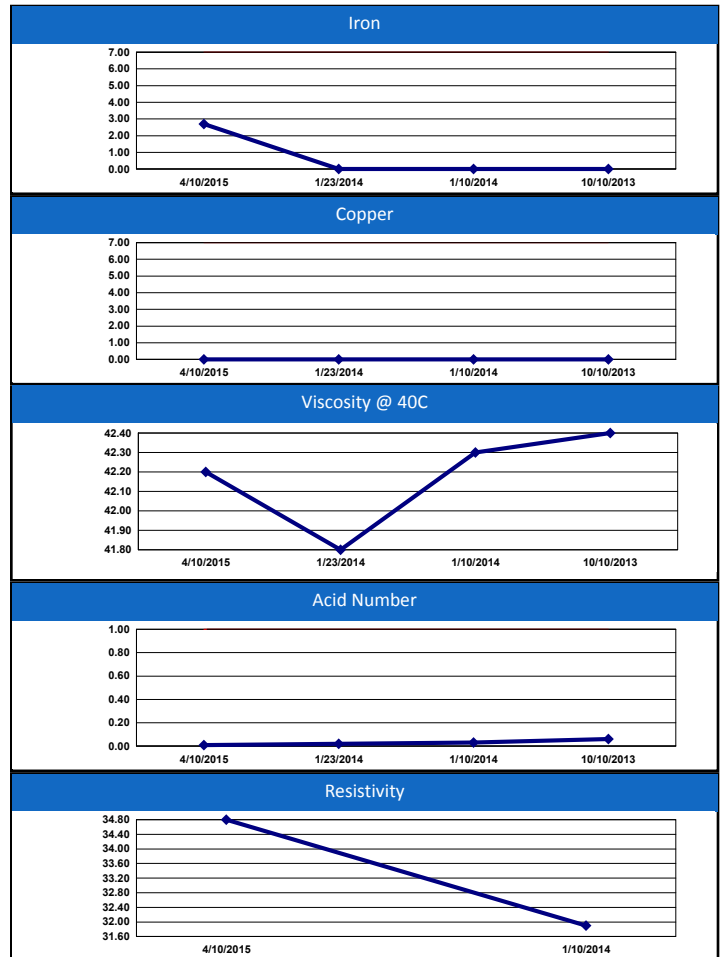
No problems found with current sample.

**Customer Notes:**

new oil cooler

The results for this sample indicate normal conditions. Please continue scheduled sampling.

Date		4/10/15	1/23/14	1/10/14	10/10/13
Lab No	Reference	974482	941306	936220	902076
Hours					
<b>Spectroscopic Analysis ( ppm ) ASTM D5185 Mod</b>					
Iron	0	3	0	0	0
Copper	0	0	0	0	0
Lead	0	2	0	0	0
Aluminum	0	0	0	0	0
Tin	0	0	0	2	0
Nickel	0	0	0	0	0
Chromium	7	7	7	5	11
Titanium	0	0	0	0	0
Calcium	0	0	2	4	5
Magnesium	0	0	0	0	0
Phosphorus	> 25000	> 25000	> 25000	> 25000	> 25000
Zinc	0	0	0	0	2
Barium	0	0	0	0	0
Molybdenum	0	0	0	0	0
Silicon	1	0	0	0	2
Boron	2	0	0	0	0
Sodium	0	0	4	1	8
Potassium	4	0	0	0	0
<b>Viscosity ( centistokes ) ASTM D 445 Mod</b>					
Viscosity @ 40C	42.0	42.2	41.8	42.3	42.4
<b>Color ASTM D 1500</b>					
COLOR		1.0		<1.0	
<b>Acid Number ( mg KOH/g ) D974 Mod.</b>					
Acid Number	0.03	0.01	0.02	0.03	0.06
<b>Resistivity( G.ohm -cm ) ASTM D1169 *</b>					
Resistivity	20	34.8		31.9	
<b>Particle Count ( particles per ml ) ISO 4406.99</b>					
ISO CODE	18/16/14	15/14/10	14/13/9	16/14/10	16/14/10
>4 Micron	2500	310	117	344	365
>6 Micron	640	120	45	134	142
>14 Micron	160	9	3	10	10
>50 Micron	0	0	0	0	0
>100 Micron	0	0	0	0	0
<b>Water Content</b>					
Water %	< 0.1	0.071 (c)	Neg (g)	0.051 (c)	Neg (g)
<b>Membrane Patch Colorimetry IW1-250</b>					
MPC	<23	16		25	
<b>Specific Gravity ASTM D1298</b>					
Specific Gravity	>1.12	1.15		1.15	



ISO/IEC 17025:2005 L-A-B Accredited Certificate Number 2221. (\*) - Not in scope of accreditation. Water Methods: ( a -ASTM D6304 A ) , ( b - IW1-133 ) , ( c - ASTM D6304 C ) , ( d - IW1-134 \* ) , ( e - IW1-135 \* ) , ( f - IW1-136 \* ) , ( g -Crackle Test \* ). Great Lakes Generation assumes sole responsibility for the application of and reliance upon results and recommendations reported by Insight Services, whose obligation is limited to good faith performance.