

## Canoil Canada Phosphate Ester Fluid Test Results

**Customer:**  
**Fluid:** Lanxess TF 46XC  
**Application:** GE EHC  
**Purification Media:** Selexsorb GT.

**Date Sample Taken:**  
**Sample Points:**  
**Date Reported:**  
**Other:**

Test Description	Test Method	Limits		1 Sys	1 Res	2 Sys	2 Res
		Target	GE Limit				
Color	ASTM D1500	<diff. of 1.0	<2.5 – 3	2	2	1.5	1.5
Appearance	Visual	Clear		Ok	Ok	Ok	Ok
Viscosity @ 40° C	ASTM D445	41.4 – 50.6	<±5%	Note	Note	Note	Note
Acid No. (mgKOH/g)	ASTM D974	<0.10	<0.20	<0.01	<0.01	<0.01	<0.01
Water content (ppm)	ASTM D6304	<500	<1000	139	174	69	82
Chlorine (ppm)	ICP/AES	<50	<50	Note	Note	Note	Note
Particle Count Code ISO 4406	>4 um	<16	-	13	14	12	13
	>6 um	<14	<15	10	10	9	10
	>14 um	<11	<12	7	7	5	5
Resistivity	ASTM D1169	>20	>10	147	113	339	299
Mineral Oil (%)	GE Method	<10 ml/L	<40 ml/L	Note	Note	Note	Note
Foam (5 min air/sit)	ASTM D892	<200/0	<200/0	290	280	300	310
MPC (dE)	ASTM D7843	tbd*	Not given	4.8	4.4	14.5	14
Air Release (minutes)	ASTM D3427	<10	<10	9.3	-	9.2	-
Metal Content (ppm)	ASTM D-6595	Aluminum	<10 ppm ex P	Note	Note	Note	Note
		Chromium	“				
<b>Comments:</b> Green highlighting means improved significantly since last sample. Red would be worst. U2 color is now lower than U1 in the test and in the bottles. Water Content is down now for U2 to very low levels. Acid Numbers are all very low. This is good. Particle Counts are also low and about the same as last month. Resistivity is higher which is also good. U2 is much higher. The MPC value is now much lower for U2 which is good. The foam levels are high for both units and are unchanged. Customer reports this is not an issue at the station.		Copper	“				
		Iron	“				
		Lead	“				
		Nickel	“				
		Tin	“				
		Boron	“				
		Zinc	“				
		Phosphorus	rest				
		Magnesium	“				
		Calcium	“				
		Barium	“				
		Molybdenum	“				
		Silver	“				
		Silicon	“				
		Sodium	“				
		Titanium	“				
		Vanadium	“				
		Lithium	“				
	Potassium	“					
	Lithium	“					

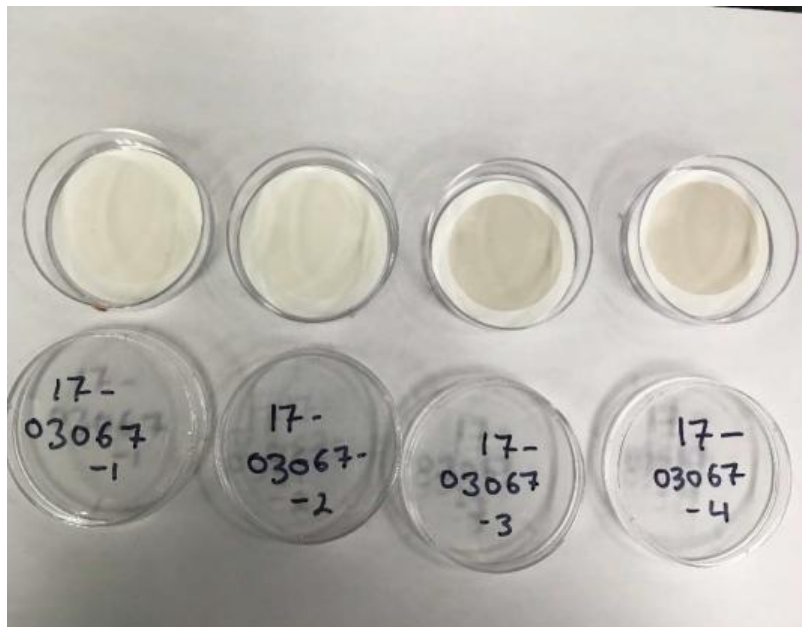
**Ref:**  
 Prepared by: KJB  
 Reviewed by: PL

**Note:** Testing recently done on other samples per Canoil test schedule.



*Cropped to remove station info*

Bottles as supplied to Canoil – sampled Nov 7&8, 2017  
U1 System U1 Reservoir U2 System U2 Reservoir



U1 Res

U1 Sys

U2 Res

U2 Sys

MPC Patch Photos