

## **Caterpillar O&H Conference Call 04/22/2015 11:00PM EST**

### **Attendance:**

Martin Thompson  
Adam Roig  
Mark Jarrett  
Andrew Stevens  
Bob Salguero  
Bob Campbell  
Mark Cooper  
Gary Hammer  
Jim Gutzwiller  
Hind Abi-Akar

### **1K/1N Water Pump**

Labs to order new pumps directly from supplier. Labs can have machine shop make a pulley if they need it to replace in order to keep existing running. CAT to look into providing print.

### **1K/1N Coolant Heat Exchanger**

Current model is 7B-5946 (core only) which is no longer available. Modine in process of identifying replacement. CAT to identify what exactly Modine is designing (core only or complete assembly?). Leave it up to labs to replace with a shell and tube that meets testing requirements (temperatures and pressures). CAT to work with Modine to identify a recommended replacement that can be ordered directly from the supplier.

### **1K/1N Oil Pump**

CAT has identified a supplier and new pump replacement. To be placed into CAT distribution system. CAT needs to order parts and place into system.

### **1K/1N Other Parts**

1A0607: New supplier identified. Part to go into CAT distribution system.  
2A2698: CAT could not find in system. Possible typo in parts book?  
1Y0601: Alternative being identified  
2P8129: Alternative identified: 6V7724. Will require 5mm washer to compensate for length.

Part numbers to be updated in documentation: Hind to work with Jim Gutzwiller

1Y0564, 1Y0609, 4N5614 need addressed still. 4N5614 should be widely available.

## **1P Timing Sensor**

Use Lubrizol's method of modifying the nut.

## **1P Liner**

New supplier. New surface roughness and porosity measurements developed. CAT received new liners and tested them at CAT as well as at supplier and CAT says they look good. CAT to ship out to one lab within a week. Casting has been changed to prevent graphite pullout. CAT to run a test to verify performance.

## **C13 Aeration Gaskets**

Si-free fiber gaskets and steel spacer efforts are ongoing. Potentially order 50 gaskets. Potentially let labs go to machine shop for spacer. CAT to provide prints.8

Front cover seal, Si-free option still being pursued.  
Be sure to specify these are for aeration only.

## **C13 Liners**

CAT to ask supplier to laser mark parts instead of dot matrix which is very difficult to read. May be difficult. If not possible, CAT to look into alternative methods (QR Code?). Needs to be able to be placed into test report.

## **1K/1N Liners**

Surface roughness/porosity concerns. Rougher than in the past. Afton to provide additional info on liners they are seeing that have potential problems. Lubrizol has also seen rougher liners.

## **1P Crankshaft**

Long lead item. Availability concerns?