

Report of Meeting
L-37-1 Surveillance Panel Conference Call
June 16th, 2021

Attendees:

SwRI -	Warden
Lubrizol -	Venhoff, Slocum , Bealko
Afton -	Sangpeal , Bell, Hayden
Intertek -	Lange , Smith, Rettman
TMC -	Beck
ExxonMobil -	Banas
BASF -	Goyal
Dana -	Zyski
Meritor -	LaBond, Carter
Army -	
AAM -	Muransky
Oronite -	

Voting Members in **BOLD**

1.0 Timken Bearing Supply Issue

- Distribution issues the past 6-8 months
- Can we source alternative parts with different suppliers?
 - What sort of validation if alternative?
 - References may show a difference
 - Start reference period with AS and then able to use either?
- Labs bearing quantities possibly 2 months
- **Action item**
 - Amy Zyski to investigate alternative bearings

Motion #1 → A. Goyal 1st /2nd T. Muransky to approve the use of Timken Bearing 387AS as an alternative to 387A. Labs must first use the 387AS in at least one reference to highlight any differences. Thereafter either 387AS or 387A may be used. Motion passed, 9-0-1(D. Beck) (Yes-No-Abstain).

2.0 Adjourn

Motion #2 → A. Lange 1st /2nd A. Zyski to adjourn. Motion passed unanimously, 10-0-0 (Yes-No-Abstain).

Respectfully submitted,

Robert Slocum
L-37-1 Surveillance Panel Chairman



D02.B0.03

Timken Bearing Supply Conf Call

06/16/2021

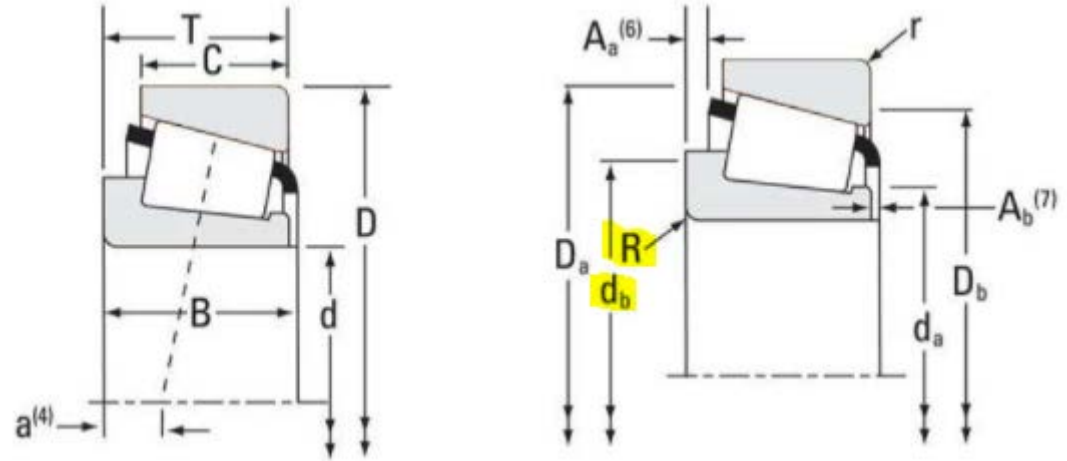
1:00 pm – 2:00 pm

Robert Slocum

- Timken Bearing Supply
 - Currently having issues finding carrier cones 387A
 - Alternative 387AS?



- All dimensions are exact except
 - 387AS fillet radius .060" greater than 387A
 - 387AS backing diameter .110" greater than 387A



387A

387AS

Abutment and Fillet Dimensions	
R - Cone Backface "To Clear" Radius ¹	3.560 mm 0.14 in
r - Cup Backface "To Clear" Radius ²	0.76 mm 0.03 in
da - Cone Frontface Backing Diameter	62.99 mm 2.48 in
db - Cone Backface Backing Diameter	70.1 mm 2.76 in

Abutment and Fillet Dimensions	
R - Cone Backface "To Clear" Radius ¹	5.080 mm 0.2 in
r - Cup Backface "To Clear" Radius ²	0.76 mm 0.03 in
da - Cone Frontface Backing Diameter	62.99 mm 2.48 in
db - Cone Backface Backing Diameter	72.90 mm 2.87 in

- Timken Bearing Supply
 - Carrier Bearings
 - Any concerns on using alternate bearings?
 - What if pinion bearings start having same supply issue?

TABLE A9.2 Rebuild Parts List for Lab Built Axles using V1L528/P4T883A

Dana Part Number	Timken Part Number	Part
30271		Pinion Nut ^A
42449		Pinion Seal ^A
550358	HM88542	Outer Pinion Cone
550359	HM88510	Outer Pinion Cup
34801		Pre-load Shim ^A
550360	HM803146	Inner Pinion Cone
550361	HM803110	Inner Pinion Cup
30291-1		Pinion Position Shim ^A
30291-2		Pinion Position Shim ^A
30291-3		Pinion Position Shim ^A
550363	382S	Diff. Bearing Cup
550362	387A	Diff. Bearing Cone
30276-1		Diff. Shims ^A
30276-2		Diff. Shims ^A
30276-3		Diff. Shims ^A
30276-4		Diff. Shims ^A
40638		Ring Gear Screws (120-140 lb/ft) ^A
34686		Cover Gasket (replaced by 34687) ^A