



TRAILER AIR SUSPENSIONS

TECHNICAL BULLETIN

No: 97117-150
 Subject: AXLE JOURNAL WEAR
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The following technical information is provided to assist repairers in deciding weather to reuse or replace axles showing signs of wear. This procedure is applicable to the Intraax series of axles.

AXLE JOURNAL MANUFACTURING TOLERANCES

The manufacturing specifications for the journals is as follows:-

HN Spindle	
Inner	3.5421" to 3.5406"
Outer	2.6248" to 2.6233"
HP Spindle	
Inner	3.4998" to 3.4983"
Outer	3.4998" to 3.4983"

IN SERVICE: AXLE JOURNAL WEAR TOLERANCES

PROCEDURE

1. Measure the journals in four locations as shown in figure 1 and insert into figure 2.
2. Calculate the average of the four measurements for each spindle.(LAv & RAv)
(Calculation 1)
3. Calculate the difference between the highest and lowest measurement for each spindle
(Calculation 2)

The spindle is beyond the recommended wear limit and must be replaced if:

HN Spindle:
 The spindle is 3.5326" or less for the inner journal or 2.6173" or less for the outer journal.

HP Spindle:
 The spindle is 3.4903" or less for both the inner journal and the outer journal.

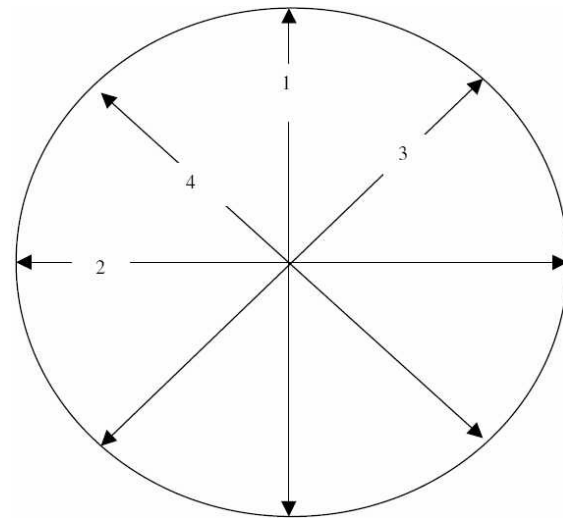


Figure 1.

AXLE			
LEFT		RIGHT	
No	Measurement	No	Measurement
L1		R1	
L2		R2	
L3		R3	
L4		R4	
LAv		RAv	

Repeat for each Axle being checked.

Figure 2.

If further assistance is required, contact the Hendrickson Product Support Department or a member of our Repairer Network on free call 1300 130 960