

TECHNICAL INFORMATION

GOODYEAR ENGINEERED PRODUCTS SYNCHRONOUS Causes of PREMATURE FAILURE

Cause of Failure

Bent or Rough Flange

Belt Too Wide Low Belt Tension Belt Hitting Obstruction

Excessive Load

Misalignment

Damage Due to Handling

Misalignment or Improper Tracking

Belt Overtensioned/Undertensioned Rough or Damaged Sprocket Partial Belt Engagement Bushing/Sprocket Assembly

Incorrect Match of Belt and Sprocket

Type of Failure

Excessive Tooth Wear

Apparent Belt

Cracks in Backing

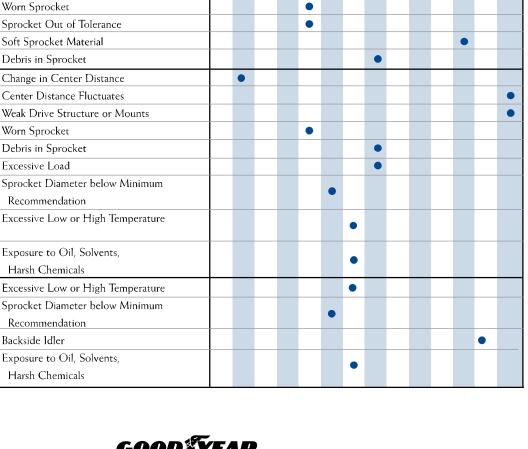
Elongation

Excessive

Edge Wear

			ing	ompatibility)iameter	ondition	(1.)	; Procedure	ir Flange	procket	ial		
	Check Alignment	ısion	Check Horsepower Rating	Check Belt/Sprocket Compatibility	Replace Sprocket	Use Correct Sprocket Diameter	Eliminate or Control Condition	Clean and Protect Drive	Follow Proper Handling Procedure	Reinstall, Replace, Repair Flange	Remount Bushing and Sprocket	Change Sprocket Material	. Idler)rive
	heck Ali	Adjust Tension	heck Ho	heck Bel	place S ₁	se Corre	iminate	ean and	llow Pro	sinstall, 1	mount	hange S _I	Use Inside Idler	Redesign Drive
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Corrective Action





TECHNICAL INFORMATION

		Corrective Action													
GOODYEAR				tribility		ster	ion		edure	nge	ket				
PRODUCTS			Sating	Сотра		t Diame	Conditi	ive	ing Proc	pair Fla	d Sprocl	iterial			
Causes of	ment	uc	epower l	procket	cket	Sprocke	Control	otect D	er Handl	olace, Re	shing an	ocket Ma	ller	ive	
PREMATURI	Check Alignment	Adjust Tension	Check Horsepower Rating	Check Belt/Sprocket Compatibility	Replace Sprocket	Use Correct Sprocket Diameter	Eliminate or Control Condition	Clean and Protect Drive	Follow Proper Handling Procedure	Reinstall, Replace, Repair Flange	Remount Bushing and Sprocket	Change Sprocket Material	Use Inside Idler	Redesign Drive	
Type of Failure	Cause of Failure	Q U	Adjı	Che	Che	Rep	Use	Elin	Cle	Foll	Reit	Ren	Cha	Use	Red
Tooth Shear	Excessive Load/Shock Load Sprocket Diameter Below Minimum Recommendation			•			•								
	Less Than 6 Teeth in Mesh Excessive Sprocket Runout			•		•									
	Worn Sprocket Backside Idler					•								•	
Tensile Failure	Incorrect Match of Belt and Sprocket Misalignment	•			•										
Tensile railure	Belt Overtensioned/Undertensioned Excessive Load/Shock Load		•	•											
	Sprocket Diameter Below Minimum Recommendation						•								
	Damage Due to Handling Debris in Sprocket or Drive Excessive Sprocket Runout					•			•						
Excessive Drive Noise	Misalignment	•													
Excessive Drive Noise	Belt Overtensioned/Undertensioned		•												
	Excessive Load Sprocket Diameter Below Minimum Recommendation						•								
	Backside Idler Worn Sprocket					•								•	
	Damaged Flange Excessive Belt Speed										•				•
Unmounting of	Incorrect Match of Belt and Sprocket Misalignment				•										
Flange	Flange Incorrectly Mounted										•				
Belt Tracking	Misalignment	•													
beit fracking	Center Distance Exceeds 8X Small Sprocket Diameter	•													
Excessive Pulley Wear	Soft Sprocket Material Excessive Load				•								•		
	Misalignment	•													
	Debris in Sprocket Belt Overtensioned/Undertensioned		•						•						
	Incorrect Match of Belt and Sprocket	_			•										
Excessive Drive Vibration	Bushing/Sprocket Assembly Incorrect Match of Belt and Sprocket				•							•			
	Belt Overtensioned/Undertensioned														