## **Undercarriage Condition Report**



Customer:	Minespec Parts				
Site:	Nebo Yard				
Machine ID:					

Make:	Hitachi				
Model:	EX3600				
Serial #·					

Carried Out By:	S. Berge			
Inspection Date:	18/09/2023			
Issued To:	S. Ross			

Machine Hours:	
Travel Hours:	
Travel Ratio:	

	Installa	tion Hours	Component Hours			
Component	Machine	Travel	Machine	Travel	Ratio	
Track Shoes						
Sprockets						

Wear Data	Left Side			Right Side			Average			
Feature	Worn (mm)	Worn (%)	Exp. Life* (hrs)	Worn (mm)	Worn (%)	Exp. Life* (hrs)	Worn (mm)	Worn (%)	Exp. Life* (hrs)	Life Remain- ing*
Shoe Pitch				5.0	42%		5.0	42%		
Shoe Roller Path				8.0	44%		8.0	44%		
Shoe Drive Lug (Driven Flank)				3.0	17%		3.0	17%		
Shoe Drive Lug (Non-Driven Flank)				5.0	28%		5.0	28%		
Sprocket Roller Path	10.0	56%		7.0	39%		8.5	47%		
Sprocket Drive Lug (Driven Flank)	30.0	75%		12.0	30%		21.0	53%		
Sprocket Drive Lug (Non-Driven Flank)	30.0	75%		15.0	38%		22.5	56%		

<sup>\*</sup>Calculations based upon average wear rates and assumes the machines average travel ratio remains constant at 0.0%

#### Comments:

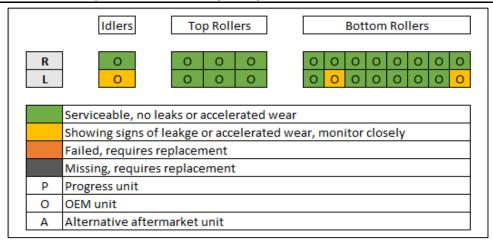
- Track shoes are Bradken units.
- -There is visible pin bore wear on the tracks. Measurements indicated these are at 46% worn, although when properly tensioned this measurement is expected to be higher. This is the likely limiting factor of shoe life.
- Track shoe roller paths are in good condition at 44% worn.
- Track shoe drive lugs are in good condition at 28% worn.
- Left side sprocket roller paths are in reasonable condition at 56% worn.
- Left side sprocket drive lugs are in reasonable condition at 75% worn. These will be the limiting factor.
- Right side sprocket roller paths are in good condition at 39% worn.
- Right side sprocket drive lugs are in good condition at 38% worn. These are expected to match the life of the roller paths.

Track shoe limiting factor = Pitch
Drive sprocket limiting factor = Drive lugs

Continued over the page.

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- All idlers and rollers were inspected with a summary table provided below:



#### **Charts:**



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#### **Photos:**



### **Recommended Actions:**

- L2 bottom roller, L8 bottom roller and left side idler are all potentially leaking and will need to be cleaned to verify.