



Customer: Thiess Pty Ltd **Serial #:** 7PZ01011
Jobsite: Mount Pleasant - Thiess **Unit #:** DZ1751
Make: CATERPILLAR **Impact:** Moderate
Model: D11R **Abrasive:** High
SMU: 43267 **Moisture:** Moderate
Inspection Date: 20 Jun 2022 **Travel:** **Packing:** Moderate
Performed By: Mathew McLean

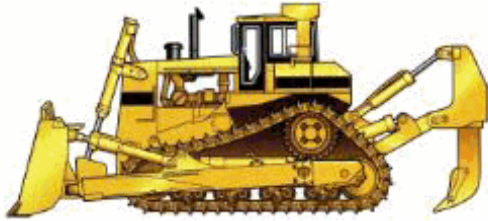


Undercarriage Summary

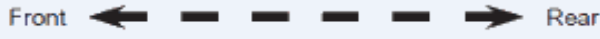


* Dozer was operating at time of inspection * Thermals were taken * LHS track is running tight * RHS track is running loose * LHS segment bolt missing * RHS pos #8 roller has elevated temp * LHS segment group requires changeout

Left



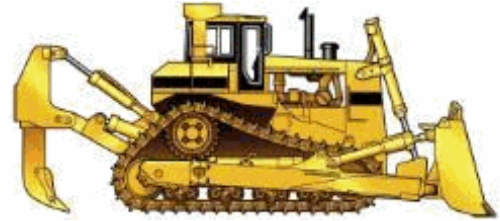
Chain Serial: DZ1751LHSStdLink
Frame Serial: 7PZ01011FrameLeft
Cannon: Cast Cannon
Frame Style: Toe Out Frame



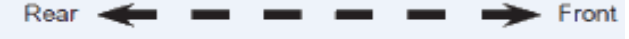
Position	1	2	3	4	5	6	7	8
Roller Type	SF	SF	DF	DF	DF	DF	SF	SF

Bush Turned: N
Track Sag: 135.00
Cannon Extension: 130.00
Scallop Measure: 5.00
Shoe Width: 0

Right



Chain Serial: DZ1751RHSStdLink
Frame Serial: 7PZ01011FrameRight
Cannon: Cast Cannon
Frame Style: Toe Out Frame



Position	8	7	6	5	4	3	2	1
Roller Type	SF	SF	DF	DF	DF	DF	SF	SF

Bush Turned: N
Track Sag: 180.00
Cannon Extension: 130.00
Scallop Measure: 5.00



Serial #: 7PZ01011

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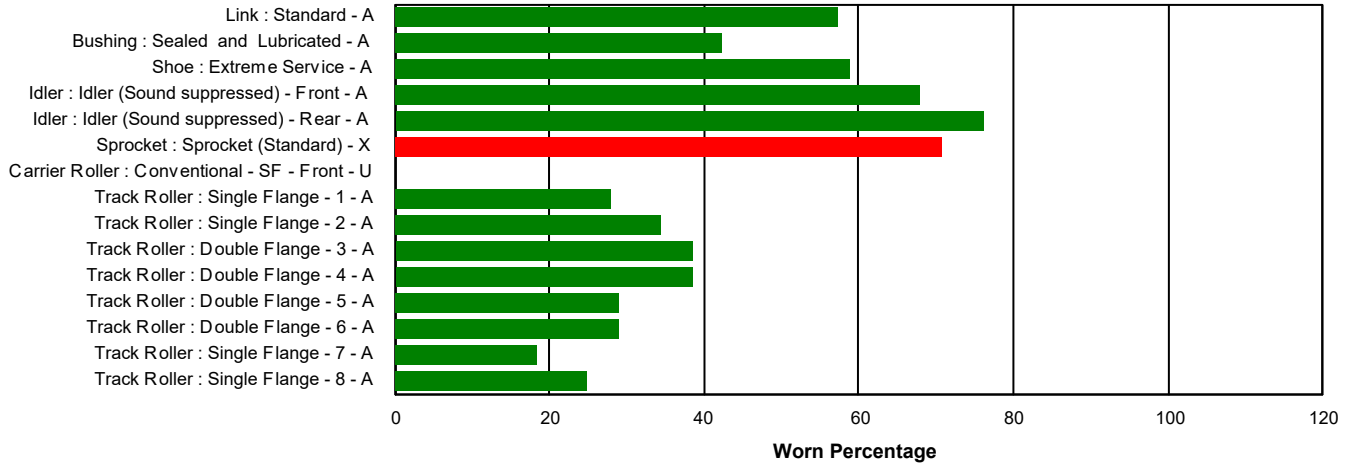
Model: D11R

Unit #: DZ1751

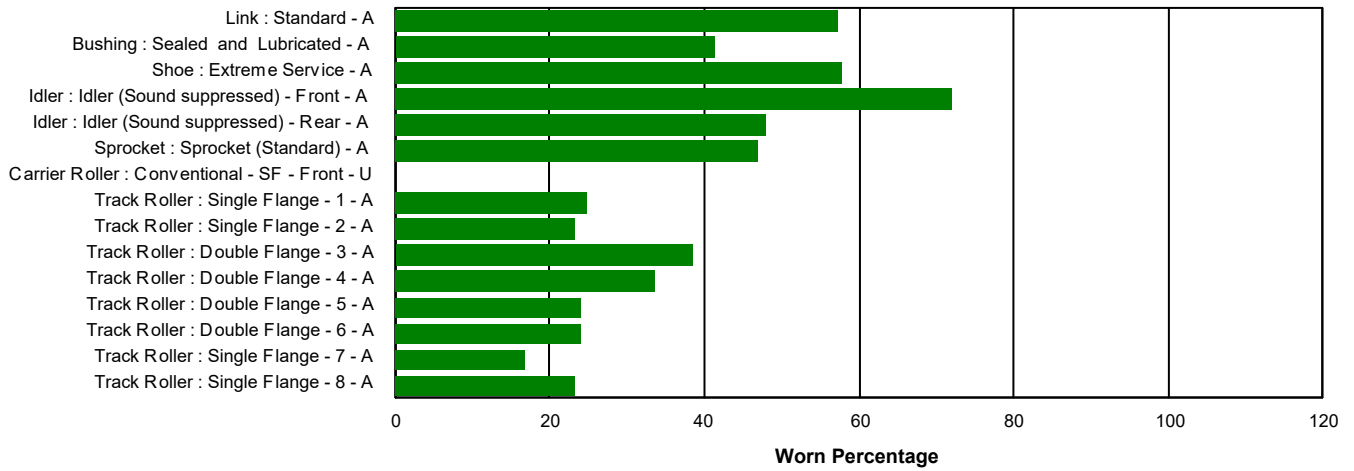
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Wear Percentage Graph (left)



Wear Percentage Graph (right)





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Readings and Calculations											
Component	Left Side										
	Position	Part Serial Number	SMU Install	Date Install	Hours on Surface	Measure	Tool	Worn Percentage	Eval	Residual Hours	
										100%	120%
Link : Standard		LNSTSR0200	38500	29-Apr-2021	4767	190.5 mm	DG	57.38	A	3540	5201
Bushing : Sealed and Lubricated		BUSL0800	38500	29-Apr-2021	4767	17.2 mm	UT	42.39	A	6478	8727
Shoe : Extreme Service		SHES1700	38500	29-Apr-2021	4767	60.0 mm	DG	58.94	A	3320	4938
Idler : Idler (Sound suppressed)	Front	IDWOSR4500	38500	30-Apr-2021	4767	28.5 mm	DG	68.00	A	2243	3645
Idler : Idler (Sound suppressed)	Rear	IDWOSR4500	38500	30-Apr-2021	4767	30.0 mm	DG	76.00	A	1505	2760
Sprocket : Sprocket (Standard)		SPWOSR7200	38500	30-Apr-2021	4767	330.0 mm	R	70.59	X	1985	3336
Carrier Roller : Conventional - SF	Front	CRSFST5400	0	01-Jul-2019	43267	mm	DG	0.00	U	0	0
Track Roller : Single Flange	1	TRSFST5400	38500	30-Apr-2021	4767	26.0 mm	DG	28.00	A	7233	9633
Track Roller : Single Flange	2	TRSFST5400	38500	30-Apr-2021	4767	28.0 mm	DG	34.40	A	9091	11862
Track Roller : Double Flange	3	TRDF6300	38500	30-Apr-2021	4767	30.0 mm	DG	38.40	A	7647	10130
Track Roller : Double Flange	4	TRDF6300	38500	30-Apr-2021	4767	30.0 mm	DG	38.40	A	7647	10130
Track Roller : Double Flange	5	TRDF6300	38500	30-Apr-2021	4767	28.0 mm	DG	28.80	A	7233	9633
Track Roller : Double Flange	6	TRDF6300	38500	30-Apr-2021	4767	28.0 mm	DG	28.80	A	7233	9633
Track Roller : Single Flange	7	TRSFST5400	38500	30-Apr-2021	4767	23.0 mm	DG	18.40	A	7233	9633
Track Roller : Single Flange	8	TRSFST5400	38500	30-Apr-2021	4767	25.0 mm	DG	24.80	A	7233	9633

Right Side											
Component	Right Side										
	Position	Part Serial Number	SMU Install	Date Install	Hours on Surface	Measure	Tool	Worn Percentage	Eval	Residual Hours	
										100%	120%
Link : Standard		LNSTSR0200	38500	29-Apr-2021	4767	190.5 mm	DG	57.38	A	3540	5201
Bushing : Sealed and Lubricated		BUSL0800	38500	29-Apr-2021	4767	17.3 mm	UT	41.21	A	6799	9112
Shoe : Extreme Service		SHES1700	38500	29-Apr-2021	4767	61.0 mm	DG	57.76	A	3486	5136
Idler : Idler (Sound suppressed)	Front	IDWOSR4500	38500	30-Apr-2021	4767	29.0 mm	DG	72.00	A	1854	3178
Idler : Idler (Sound suppressed)	Rear	IDWOSR4500	38500	30-Apr-2021	4767	26.0 mm	DG	48.00	A	5164	7151
Sprocket : Sprocket (Standard)		SPWOSR7200	38500	30-Apr-2021	4767	340.0 mm	R	46.89	A	5398	7432
Carrier Roller : Conventional - SF	Front	CRSFST5400	0	01-Jul-2019	43267	mm	DG	0.00	U	0	0
Track Roller : Single Flange	1	TRSFST5400	38500	30-Apr-2021	4767	25.0 mm	DG	24.80	A	7233	9633
Track Roller : Single Flange	2	TRSFST5400	38500	30-Apr-2021	4767	24.5 mm	DG	23.20	A	7233	9633
Track Roller : Double Flange	3	TRDF6300	38500	30-Apr-2021	4767	30.0 mm	DG	38.40	A	7647	10130
Track Roller : Double Flange	4	TRDF6300	38500	30-Apr-2021	4767	29.0 mm	DG	33.60	A	9421	12258
Track Roller : Double Flange	5	TRDF6300	38500	30-Apr-2021	4767	27.0 mm	DG	24.00	A	7233	9633
Track Roller : Double Flange	6	TRDF6300	38500	30-Apr-2021	4767	27.0 mm	DG	24.00	A	7233	9633
Track Roller : Single Flange	7	TRSFST5400	38500	30-Apr-2021	4767	22.5 mm	DG	16.80	A	7233	9633
Track Roller : Single Flange	8	TRSFST5400	38500	30-Apr-2021	4767	24.5 mm	DG	23.20	A	7233	9633

Measuring Tool Legend
 UT - Ultrasonic Too C - Callipers DG - Depth Guage R - Ruler

Left

Track Sag

135.00

Track is running tight - Inspect & adjust



Scallop

5.00



CannonExt.

130.00



Right

180.00

Track is running loose - Inspect & adjust



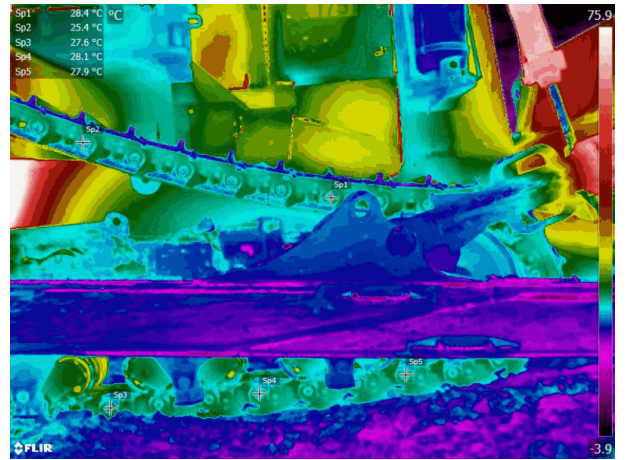
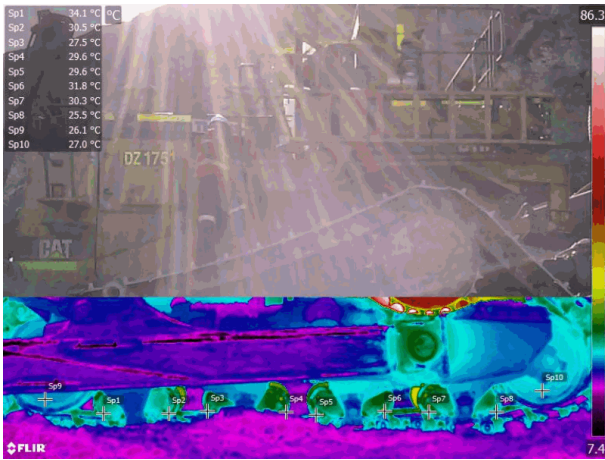
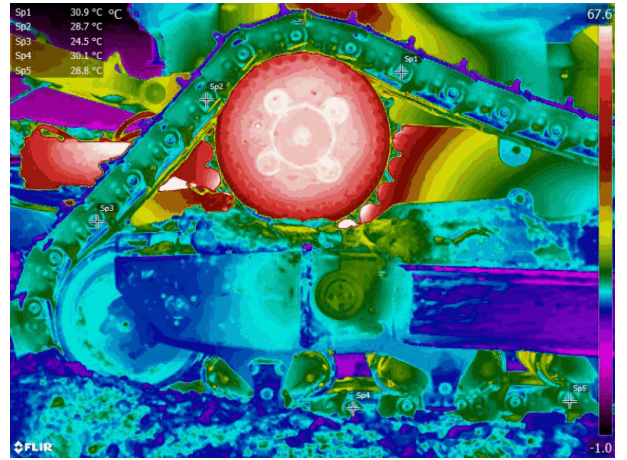
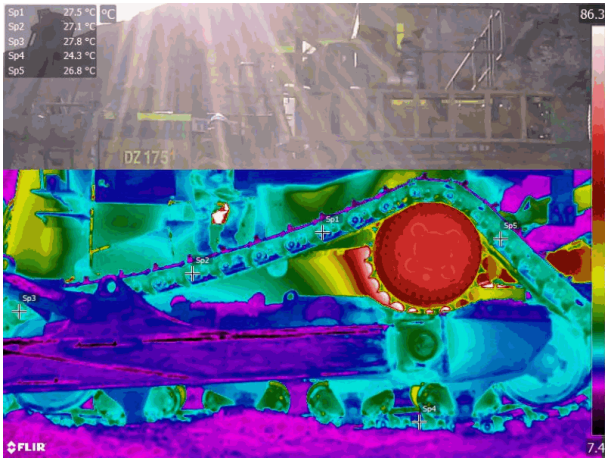
5.00



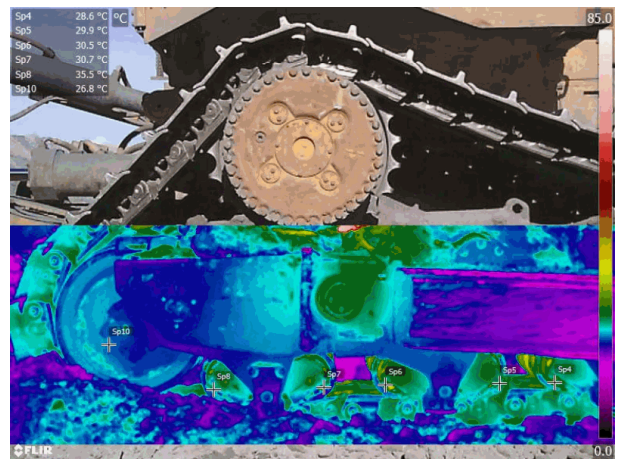
130.00



Thermal Images



No Image Taken





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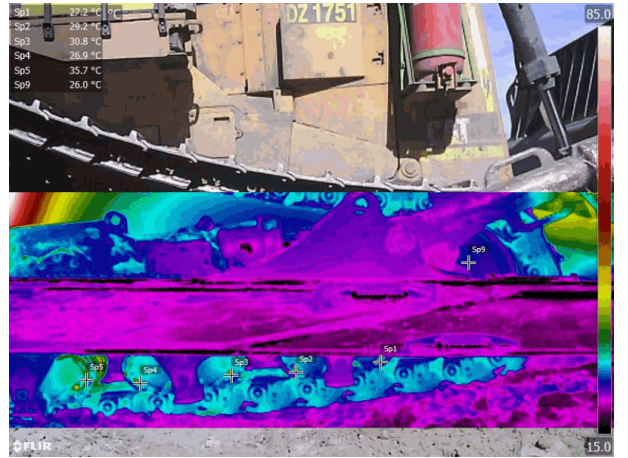
Model: D11R

Unit #: DZ1751

SMU: 43267

Inspection Date: 20 Jun 2022

No Image Taken





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Additional Observations

Hour Meter

SMU: 43267 hours



LHS Track Frame Job#

Maskill job# 7993L



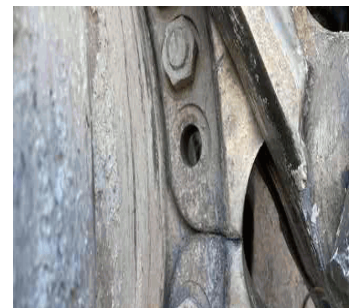
RHS Track Frame Job#

Maskill job# 7993R



LHS segment bolt missing

Requires repair





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Equalizer Bar Type

Straight style bar - Correct for track frames



LHS Track Tension Indicator

Not installed

No Image Taken



RHS Track Tension Indicator

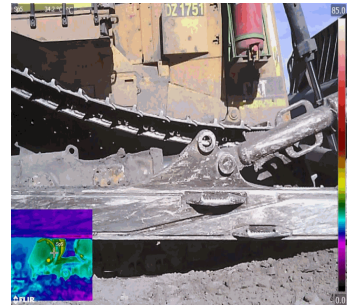
Not installed

No Image Taken



RHS pos #8 roller has elevated temp

Further inspection required



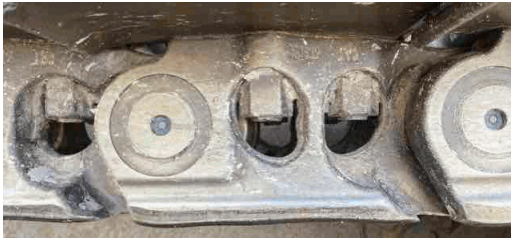
Component Images and Comments

Left

Right

Link - LNSTR0200

Cat standard link
Cat part# 6T8049/50
No job# visible
No asset# visible
Multi tooth master



Link - LNSTR0200

Cat standard link
Cat part# 6T8049/50
No job# visible
No asset# visible
Multi tooth master



Left

Right

Bushing - BUSL0800

Bushes have not been turned



Bushing - BUSL0800

Bushes have not been turned





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Left

Right

Shoe - SHES1700

28" ES hole relief shoes
Shoes have not been relugged



Shoe - SHES1700

28" ES hole relief shoes
Shoes have not been relugged





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Left

Right

Idler : Idler (Sound suppressed): Front - IDWOSR4500

Idler : Idler (Sound suppressed): Front - IDWOSR4500

Maskill brand idler
Maskill job# 7993/02

Maskill brand idler
Maskill job# 7993/03





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Left

Right

Idler : Idler (Sound suppressed): Rear - IDWOSR4500

Idler : Idler (Sound suppressed): Rear - IDWOSR4500

Maskill brand idler
Maskill job# 7993/04

Maskill brand idler
Maskill job# 7993/01





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Left

Right

Sprocket - SPWOSR7200

Unknown brand segments



Sprocket - SPWOSR7200

Cat brand segments



Carrier Roller : Conventional - SF: Front - CRSFST5400

Not installed

Carrier Roller : Conventional - SF: Front - CRSFST5400

Not installed



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Left

Right

Track Roller : Single Flange: 1 - TRSFST5400

Track Roller : Single Flange: 1 - TRSFST5400

Maskill brand roller

Maskill brand roller





Serial #: 7PZ01011

Make: CATERPILLAR

Model: D11R

Unit #: DZ1751

SMU: 43267

Inspection Date: 20 Jun 2022

Left

Right

Track Roller : Single Flange: 2 - TRSFST5400

Track Roller : Single Flange: 2 - TRSFST5400

Maskill brand roller

Maskill brand roller





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Make: CATERPILLAR

Model: D11R

Unit #: DZ1751

SMU: 43267

Inspection Date: 20 Jun 2022

Left

Right

Track Roller : Double Flange: 3 - TRDF6300

Track Roller : Double Flange: 3 - TRDF6300

Maskill brand roller

Maskill brand roller





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Make: CATERPILLAR

Model: D11R

Unit #: DZ1751

SMU: 43267

Inspection Date: 20 Jun 2022

Left

Right

Track Roller : Double Flange: 4 - TRDF6300

Track Roller : Double Flange: 4 - TRDF6300

Maskill brand roller

Maskill brand roller





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Make: CATERPILLAR

Model: D11R

Unit #: DZ1751

SMU: 43267

Inspection Date: 20 Jun 2022

Left

Right

Track Roller : Double Flange: 5 - TRDF6300

Track Roller : Double Flange: 5 - TRDF6300

Maskill brand roller

Maskill brand roller





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Model: D11R

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Left

Right

Track Roller : Double Flange: 6 - TRDF6300

Track Roller : Double Flange: 6 - TRDF6300

Maskill brand roller

Maskill brand roller





Serial #: 7PZ01011

Make: CATERPILLAR

Model: D11R

Unit #: DZ1751

SMU: 43267

Inspection Date: 20 Jun 2022

Left

Right

Track Roller : Single Flange: 7 - TRSFST5400

Track Roller : Single Flange: 7 - TRSFST5400

Maskill brand roller

Maskill brand roller





Serial #: 7PZ01011

Make: CATERPILLAR

Model: D11R

Unit #: DZ1751

SMU: 43267

Inspection Date: 20 Jun 2022

Left

Right

Track Roller : Single Flange: 8 - TRSFST5400

Track Roller : Single Flange: 8 - TRSFST5400

Maskill brand roller

Maskill brand roller





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Recommendations

Left

Component: Link: Standard
Action: Adjust Tension
Start SMU: 43,267
Comment: Track is running tight - Inspect & adjust - Spec is 165

Component: Sprocket: Sprocket (Standard)
Action: Replace With New Sprocket
Start SMU: 43,267

Right

Component: Link: Standard
Action: Adjust Tension
Start SMU: 43,267
Comment: Track is running loose - Inspect & adjust - Spec is 16
