

PRELIMINARY INJURY SUMMARY: PASSENGER
THOR Serial No. DO9798

Location	Description	Units	Source	Max	Min
Head	HIC 15ms		Compute	318.5	
	Brain Injury Criteria (BrIC)		Compute	1.17	
	Head Rotational Velocity X	deg/s	60	460.3	-1784.6
	Head Rotational Velocity Y	deg/s	60	624.5	-1370.9
	Head Rotational Velocity Z	deg/s	60	2407.1	-1564.0
Neck	Upper Neck Z-axis Force	N	1000	970.1	-423.8
	Upper Neck Y-axis Moment	Nm	600	4.6	-7.5
Chest	Upper Left IR-TRACC - X Deflection	mm	Diadem	43.1	
	Upper Right IR-TRACC - X Deflection	mm	Diadem	12.9	
	Lower Left IR-TRACC X - Deflection	mm	Diadem	22.6	
	Lower Right IR-TRACC X - Deflection	mm	Diadem	15.6	
Abdomen	Lower Left IR-TRACC X - Deflection	mm	Diadem	0.5	-47.3
	Lower Right IR-TRACC X - Deflection	mm	Diadem	0.4	-46.6
Acetabulum	Left Acetabulum Resultant Force	N	Compute	1177.3	
	Right Acetabulum Resultant Force	N	Compute	2381.3	
Femur	Left Femur Force, FZ	N	600	338.6	-4060.5
	Right Femur Force, FZ	N	600	464.1	-3227.6
Tibia	Left Upper Tibia, FZ	N	600	263.7	-1295.2
	Left Upper Tibia, Index		Compute	0.69	
	Right Upper Tibia, FZ	N	600	98.0	-722.2
	Right Upper Tibia, Index		Compute	0.58	
	Left Lower Tibia, FZ	N	600	198.0	-1736.1
	Left Lower Tibia, Index		Compute	0.29	
	Right Lower Tibia, FZ	N	600	150.0	-1544.0
	Right Lower Tibia, Index		Compute	0.41	
Ankle	Left Ankle Rotation, RX	deg	180	11.5	-11.9
	Left Ankle Rotation, RY	deg	180	0.0	-30.8
	Left Ankle Dorsiflexion, MY	Nm	Compute	6.7	-71.2
	Left Ankle In/Eversion Moment, MX	Nm	Compute	54.0	-74.2
	Right Ankle Rotation, RX	deg	180	15.1	-30.1
	Right Ankle Rotation, RY	deg	180	0.0	-31.3
	Right Ankle Dorsiflexion, MY	Nm	Compute	12.6	-20.0
	Right Ankle In/Eversion Moment, MX	Nm	Compute	67.6	-74.5
Anomalies:					
1). Upper Left DGIR X Displacement, questionable data					

*DIAdem-THOR Processing Software v2.6.