



# Hip Evaluation Report

Member Copy

Report Date: 9/17/2013

Reference #: **908919**  
 Practice #: 143543

Radiography Date: 9/11/2013  
 Date Received: 9/11/2013

**PennHIP Member:**

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 PULLMAN, WA 99164  
 UNITED STATES

**Owner:**

GINGER BUSTA  
 842 HARRIS RIDGE ROAD  
 KOOSKIA, ID 83539  
 UNITED STATES

**ANIMAL**

<b>TANK</b>						Reg. #: ESC-1027
CANINE / ENGLISH SHEPHERD						Microchip: AVID 019585592
Date of Birth:	2/11/2010	Sex:	M	Weight:	71 lbs.	Age: 43 mo.

**RESULTS**

<b>LEFT</b>	Distraction Index (DI)	<b>0.57</b>	DI is greater than 0.30 with no radiographic evidence of DJD. There is an increasing risk of developing DJD as the DI increases; low risk when DI is close to 0.30, high risk when DI is close to 0.70 or above.
	Degenerative Joint Disease (DJD)	<b>None</b>	
	Cavitation	<b>No</b>	
	Other Findings	<b>Not Applicable</b>	
<b>RIGHT</b>	Distraction Index (DI)	<b>0.58</b>	DI is greater than 0.30 with no radiographic evidence of DJD. There is an increasing risk of developing DJD as the DI increases; low risk when DI is close to 0.30, high risk when DI is close to 0.70 or above.
	Degenerative Joint Disease (DJD)	<b>None</b>	
	Cavitation	<b>No</b>	
	Other Findings	<b>Not Applicable</b>	

Please note that the PennHIP DI is a measure of hip joint laxity, it does not allude to a "passing" or "failing" hip score.

**LAXITY PROFILE RANKING**

The laxity profile ranking is based on the hip with the greater laxity (DI). This interpretation is based on a cross-section of 278 CANINE animals of the ENGLISH SHEPHERD breed. The median DI for this group is 0.47.

**Percentiles**

90th	80th	70th	60th	50th	40th	30th	20th	10th
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> 90th				Median					< 10th
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The chart above indicates the ranking of your animal's passive hip laxity (DI) in relation to all CANINE animals of the ENGLISH SHEPHERD breed in our database. This result means that 1) your animal's hips are tighter than approximately 30% of this group of animals (alternatively, 70% of the group has tighter hips than your animal), and 2) your animal's hip laxity is in the looser half of the laxity profile. Breed-specific evaluations are analyzed semi-annually. Consequently, the average laxity and range of laxity for any given group will change over time.

PennHIP does not make specific breeding recommendations. Selection of sire and dam for mating is the decision of the breeder.

**NOTE: As a minimum breeding criterion, we propose that breeding stock be selected from the population of animals having hip laxity in the tighter half of the breed (to the left of the median mark on the graph). Higher selection pressure equates to more rapid expected genetic change per generation.**

By implementing selection based on passive hip laxity, we expect the breed average DI over the years to move toward tighter hip configuration, meaning lower hip dysplasia susceptibility. The PennHIP database permits scientific adjustment of criteria to reflect these shifts; the average laxity and range of laxity for a particular breed will change over time.