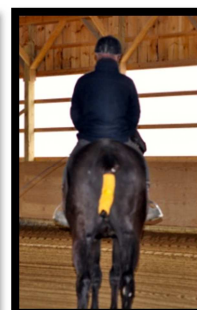


Saddle Fit Thermal Imaging Report

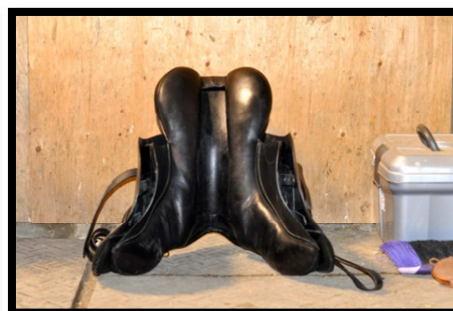
LeRoy



*Thermal Imaging completed by
a Certified Thermographer
Authorized with the EquineIR™
Network.*



*Interpretative results
completed by Licensed
Veterinarians in contract with
Integrated Equine Infrared.*

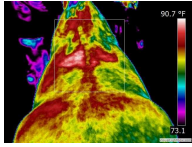


Southern Ontario Equine Thermography



PH: 905-503-0549

WEB: www.southernontarioequinethermography.com
EMAIL: southernontarioequinethermography@gmail.com



PATIENT: LEROY THERMOGRAPHY DATE: NOVEMBER 29, 2014 TIME: 2:00

December 4, 2014

DAN HARNETT
380 Woburn Ave
Toronto, ON M5M 1L5

Dear DAN HARNETT:

EquineIR was recently requested to perform a thermal imaging Saddle-Fit scan of: **LEROY**

The following photo report was completed by your EquineIR™ Certified Thermographer and all interpretative results were channeled through interpretir.com and subsequently formulated and input by a licensed veterinary team member with Integrated Equine Infrared.

The interpretation is intended to aid your state-licensed veterinarian in providing a diagnostic or treatment protocol. All follow-up testing and treatments should be conducted and administered by your primary veterinarian. The interpretation provided is based solely on the conditions at the time of survey and the thermal images included in this report. Thermography is a diagnostic tool that measures heat emitted from the surface of the patient. The thermal imaging camera converts infrared energy into a visible image. Emitted heat is related to circulation; as such, the thermal camera can help detect areas of inflammation as well as decreased circulation. Thermal symmetry is key, so we compare one anatomic area with the same area on the other side. The EquineIR™ report is prepared in this manner. It should be understood that correct patient preparation and environment are vital to a successful survey. Your EquineIR™ technician is also a Certified Infrared Thermographer and has been trained in the proper use and the proven techniques of thermal imaging as it is used with horses. However there are certain situations which may reduce the quality of the survey including the improper preparation of the horse prior to technician's arrival. The interpreting veterinarians who review the imagery base their findings and recommendations on information provided, so it is critical that proper care be taken in the preparation process to ensure success.

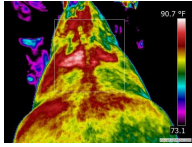
Thermal imaging is a physiologic modality and should not be relied upon as the sole diagnostic tool. A complete clinical examination by your licensed veterinarian is always recommended for the best diagnosis and follow-up treatment. This Report is not a definitive diagnosis of any illness or disease. It is intended for use only by licensed veterinary professionals to evaluate patient health, diagnose medical conditions, and provide treatment. It is not to be used by individuals for self-diagnosis or self-evaluation, nor for the diagnosis or evaluation of other non-qualified personnel. This report does not replace, nor is intended to replace a complete clinical evaluation by your licensed veterinarian. Under no circumstances will EquineIR™, Integrated Equine Infrared or its affiliates be held responsible for illness, injury, or death to the patient as a result of the information contained herein. This report does not replace, nor is intended to replace a complete clinical evaluation.

Your EquineIR™ Technician looks forward to working with you in the future. If you would like to set up an ongoing maintenance imaging program for your horse(s), we can arrange this at discounted rates along with multiple horse discounts. Please call our office with any questions as we would love to assist you in your success.

Sincerely,

Ann Ashby CET

Thermographer, *Certified Infrared Thermographer*
Southern Ontario Equine Thermography



PATIENT: LEROY **THERMOGRAPHY DATE:** NOVEMBER 29, 2014 **TIME:** 2:00

EQUINE CLIENT INFORMATION

CLIENT NAME: DAN HARNETT
MAILING ADDRESS: 380 Woburn Ave, Toronto, ON M5M 1L5
CLIENT EMAIL: dharnett@curtisswright.com
CLIENT PHONE: 416-787-5934

HORSE AGE: 6
HORSE BREED: Appendix
HORSE PRIMARY USE: Pleasure

SURVEY INFORMATION

THERMOGRAPHER: Ann Ashby **INFRARED CERTIFICATION #:**
INFRARED CAMERA MODEL: Flir E60 **CAMERA SERIAL NUMBER:** 49000322
NUMBER OF THERMAL IMAGES SUBMITTED: 8

WEATHER: Light wind sunny **APPROXIMATE TEMPERATURE:** 1 °C **IMAGING LOCATION:** Barn aisle

EXERCISED: Client rode **HOW LONG:** 12-15 minutes **WHEN:** After pre-imaging

FLYSpray OR LINIMENTS APPLIED WITHIN 24 HOURS: No

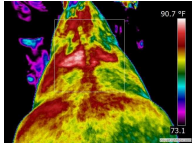
REASON FOR SCAN or HISTORY RECEIVED: has always been reluctant to move forward. Gait isn't fully extended. Extremely foot sore. Only was able to walk under saddle for 20 minutes (1 min. trot), circles and eights. Rain sheet removed an hour prior to saddle scan

TYPE OF SADDLE: All Purpose **BRAND:** Jeffries

SERIAL NUMBER: 1OZ21 **COLOR:** Black **SIZE:** 17.5 **FLOCKING:** wool **TYPE OF SADDLE PAD:** cotton pad and sheep skin pad over top

SADDLE-FIT INFORMATION: LeRoy has always been reluctant to move forward. Won't reach with his front right. Tends to land on heel vs toe. VET lameness evaluation August 13, 2014 – X-Ray front hooves/lameness evaluation/gait if off. Results of VET EXAM : Observation didn't find anything abnormal with the x-rays – vet observed a slight clouding of the ligament connecting P2 to the Navicular bone. Vet said it wasn't unusual and shouldn't be problematic long-term once it calcified and should not cause any pain. No presence of bone chips or deterioration of the Navicular bone. Flexion good and no thickening of the ligaments. Hoof exam with calipers showed a response on the outer wall to the inner-heel right hoof. Vet didn't provide anything conclusive on the lameness evaluation. Post scan I palpated scapula area, Left Sacroiliac area and Pecs all were taut and reactive – although he is compensating.. FARRIER – Last trimmed September 14th. Cycle every 6 weeks. Work done, Trim/Front shoes. Removed front shoes November 10th week – gait was off with shoes as well ***** Please note barn was quite cold and light above wasn't directly above us but close by

Thermography identifies areas of increased or decreased circulation or perfusion. As such, pressure points or hollow areas from ill-fitting saddles, pressure from uneven riders, and wither or back problems in horses, may be positively identified. However, thermal imaging is not a replacement for a complete veterinary physical examination, or a saddle-fitting evaluation from a Certified Master Saddler.



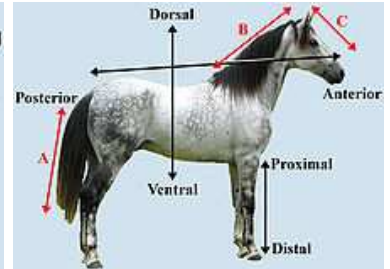
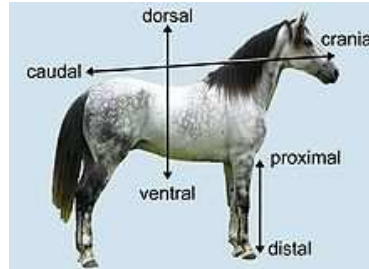
PATIENT: LEROY THERMOGRAPHY DATE: NOVEMBER 29, 2014 TIME: 2:00

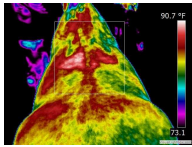
INTERPRETATION INFORMATION (Completed by Veterinarian)

INTERPRETATION TYPE: Saddle Fit Evaluation

DATE OF INTERPRETATION: 12/4/2014

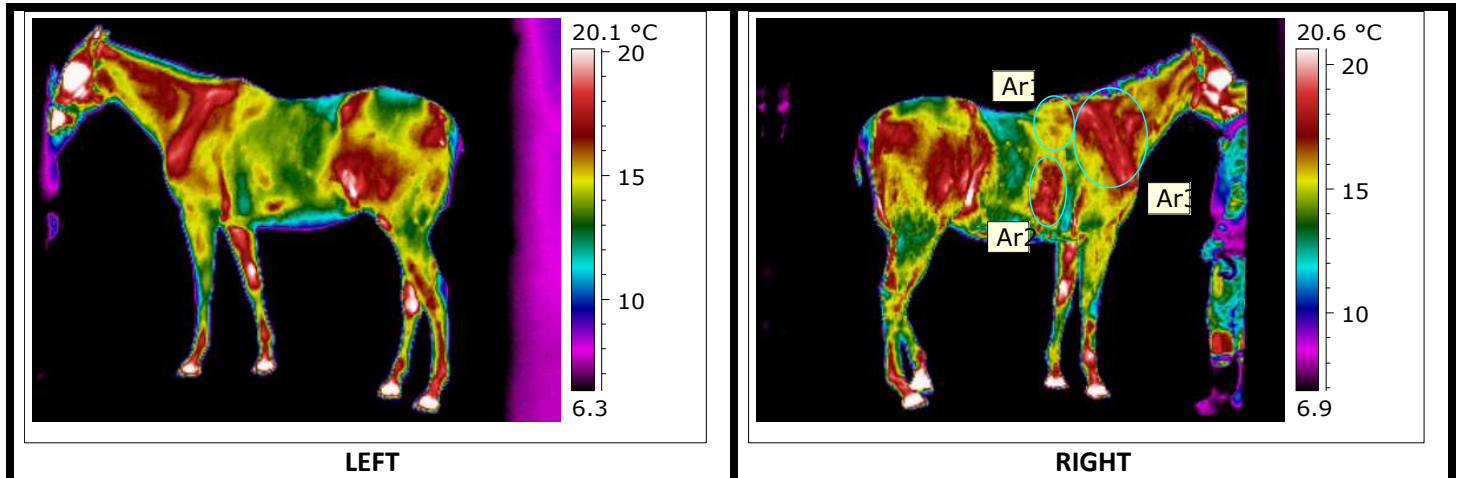
REVIEWING VETERINARIAN: Dr. Debra K Tibbitts



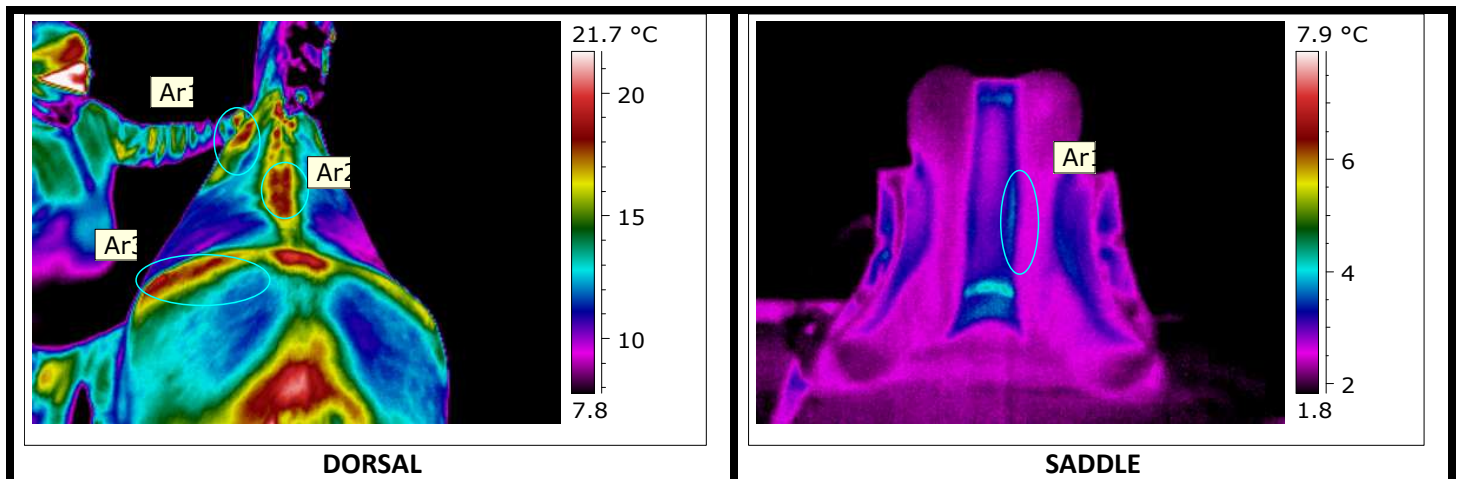


PATIENT: LEROY THERMOGRAPHY DATE: NOVEMBER 29, 2014 TIME: 2:00

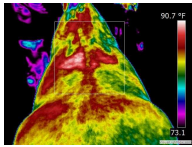
BEFORE EXERCISE



Breeze/moisture artifact present over the thoracolumbar spine. Asymmetry seen with heat greater over the right scapula, right wither pocket and right ventral rib area. Chiropractic issues, saddle fit issues and muscle imbalances may be present. Slight asymmetry hindquarters with heat greater on the right possibly due to off-loading of the left hind.

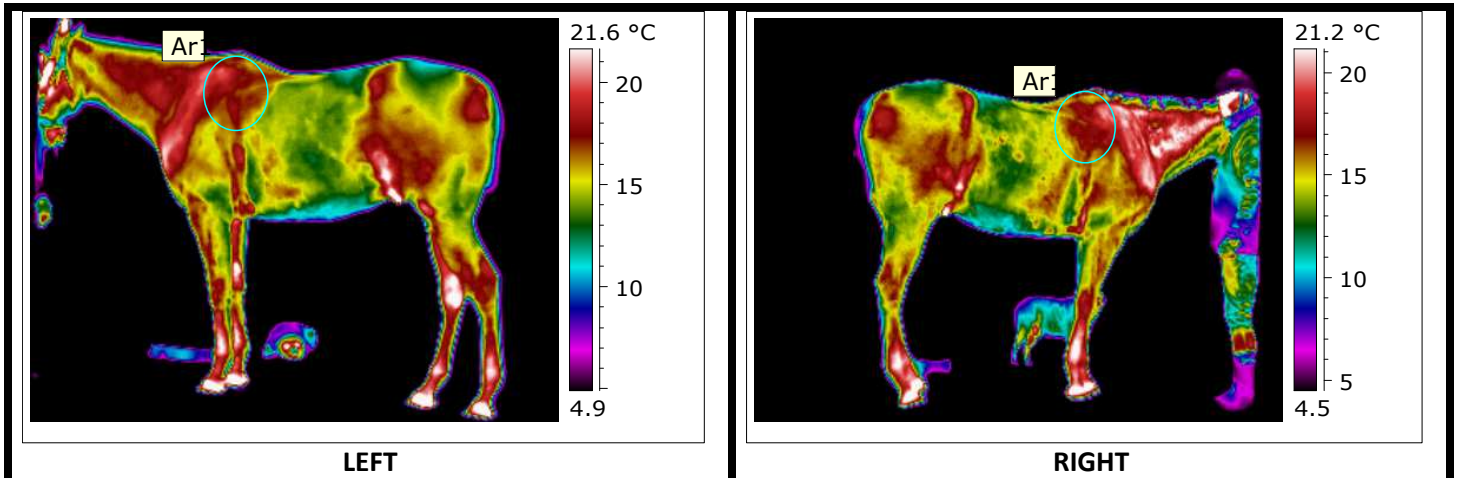


Some asymmetry is seen in the shoulder area with heat greater on the left. There also appears to be increased heat in the thoracolumbar spine. Direct and motion palpation recommended of the spine and shoulder checking for inflammation/pain/mobility. The channel of the saddle is uneven either from saddle rack wear or long-term uneven pressure while riding. There is slight dove-tailing of the channel also. There is uneven heat across the sacroiliac area but it could be due to light artifact. Palpation recommended.

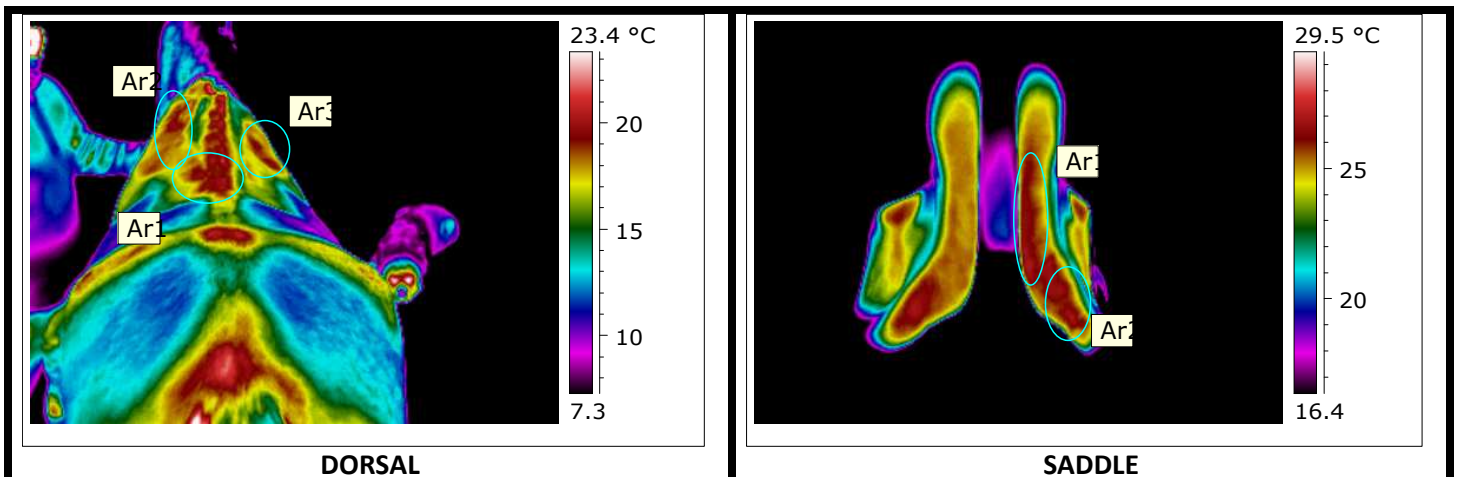


PATIENT: LEROY THERMOGRAPHY DATE: NOVEMBER 29, 2014 TIME: 2:00

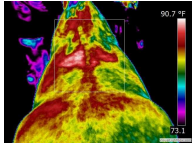
AFTER EXERCISE



Saddle marks show saddle placed too far forward over the shoulders which can create excess pressure over the scapulae and there is increased heat at the scapulae and wither pockets. Hindquarters still have slightly greater heat on the right.



There is uneven lumpy pressure along the panels suggesting saddle is slipping to the left. The shaping of the saddle also suggests this. It is also seen in digital image with rider from the rear. Flocking also appears lumpy indicating shifting and need of re-flocking. Positioning is slightly off but left shoulder appears larger than then right. Uneven patterning along sacroiliac area still seen. Asymmetry along the spine with heat greater on the left chiropractic evaluation recommended as it does not align with saddle heat pattern.



PATIENT: LEROY THERMOGRAPHY DATE: NOVEMBER 29, 2014 TIME: 2:00

SUMMARY AND RECOMMENDATIONS: There appears to be some issues with this saddle such that it needs re-flocking and re-fitting. Placement of the saddle appears to be too far forward causing impingement on the shoulders. There is saddle slippage to the left which will cause further impingement on the right. This is borne out in the digital image with rider and thermal images. This is likely at least part of the reason there is not as much reach in stride reported on the right front.

There is lumpy pressure seen indicating bunching of the flocking and suggesting re-flocking is needed. The area of slight indentation along the right dorsal panel should be checked for damage.

Proper placement of the saddle, re-fitting and re-flocking of the panels is needed for a pain-free saddle. Rider balance should also be evaluated with the slippage to the left.

There is asymmetry in the sacroiliac area and increased asymmetric heat along the thoracolumbar spine which should have a veterinary chiropractic evaluation.

Thank You!

Reviewing Veterinarian: Debra K Tibbitts, DVM, CVCP, EDO, CVA, CIT

