



January 6, 2010

Mr. Bob Simpson
GOOD EARTH AGRI-PRODUCTS
3443 Yeager Dr. Suite 101
Madera, CA 93637

Lab. No.: 2A64
Page One of Six

SUBJECT: Hardness & Microstructural Evaluation of "Cup Knife Plain" Samples.

Dear Mr. Simpson;

At your request, we have completed the evaluation of the above captioned items submitted to our laboratory.

PROCEDURES & RESULTS

Five (5) "Cup Knife Plain" samples were tested using a Rockwell hardness Tester. The test results are presented in Table 1.

Transverse sections through two (2) of the samples were removed and prepared for microstructural evaluation. The sections were then examined with an optical microscope in both unetched and etched conditions. Photos 1 and 2 are optical micrographs of the unetched sections. The sections appear microstructurally sound with no evidence of micro-defects. The etched sections (Photos 3 and 4) represent microstructures typical of tempered martensite. This microstructure is consistent with the hardness values reported earlier.

The microstructure and hardness values represent a material that possesses a combination of high strength and good ductility.

If you have any questions regarding this report, please contact the undersigned at (510) 835 3142 ext. 199.

Respectfully Submitted,
TESTING ENGINEERS, INC.

Hossein Arbabi, Ph.D., P.E.
Senior Engineer

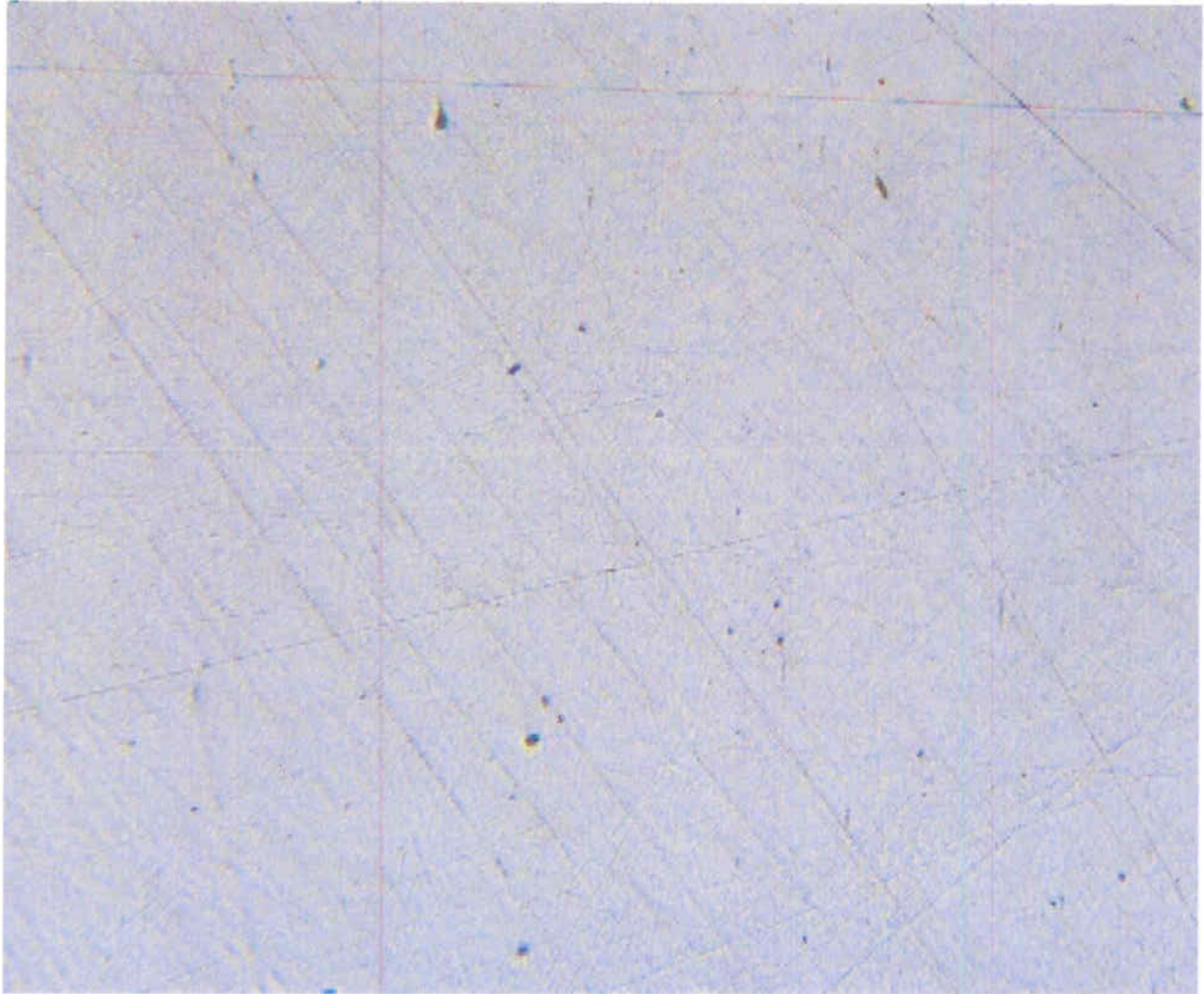


Photo 1
Optical Micrograph of Sample 1 Unetched. Magnification: 200X



Photo 2
Optical Micrograph of Sample 2 Unetched. Magnification: 200X

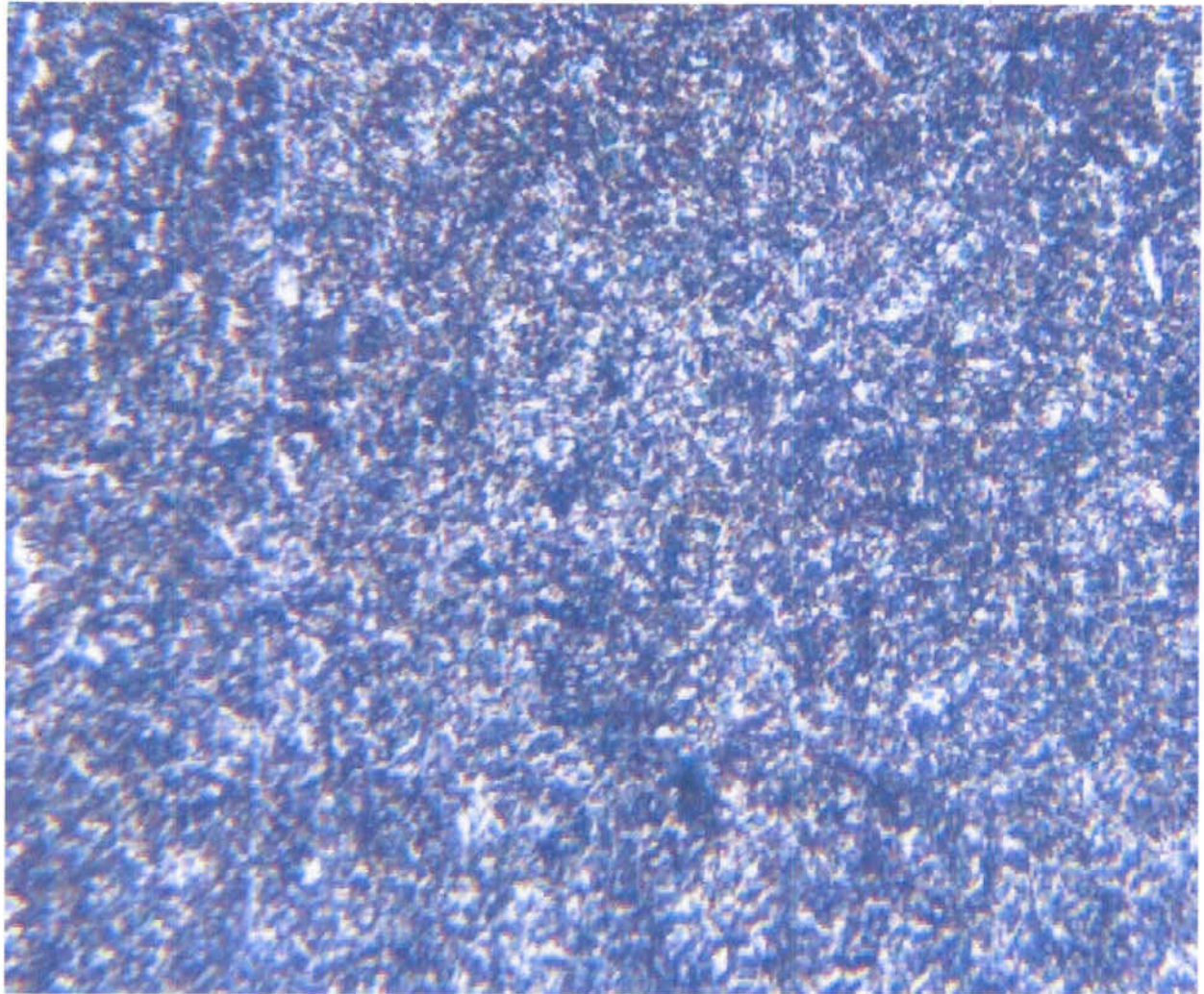


Photo 3
Optical Micrograph of Sample 1 Etched. Magnification: 1000X

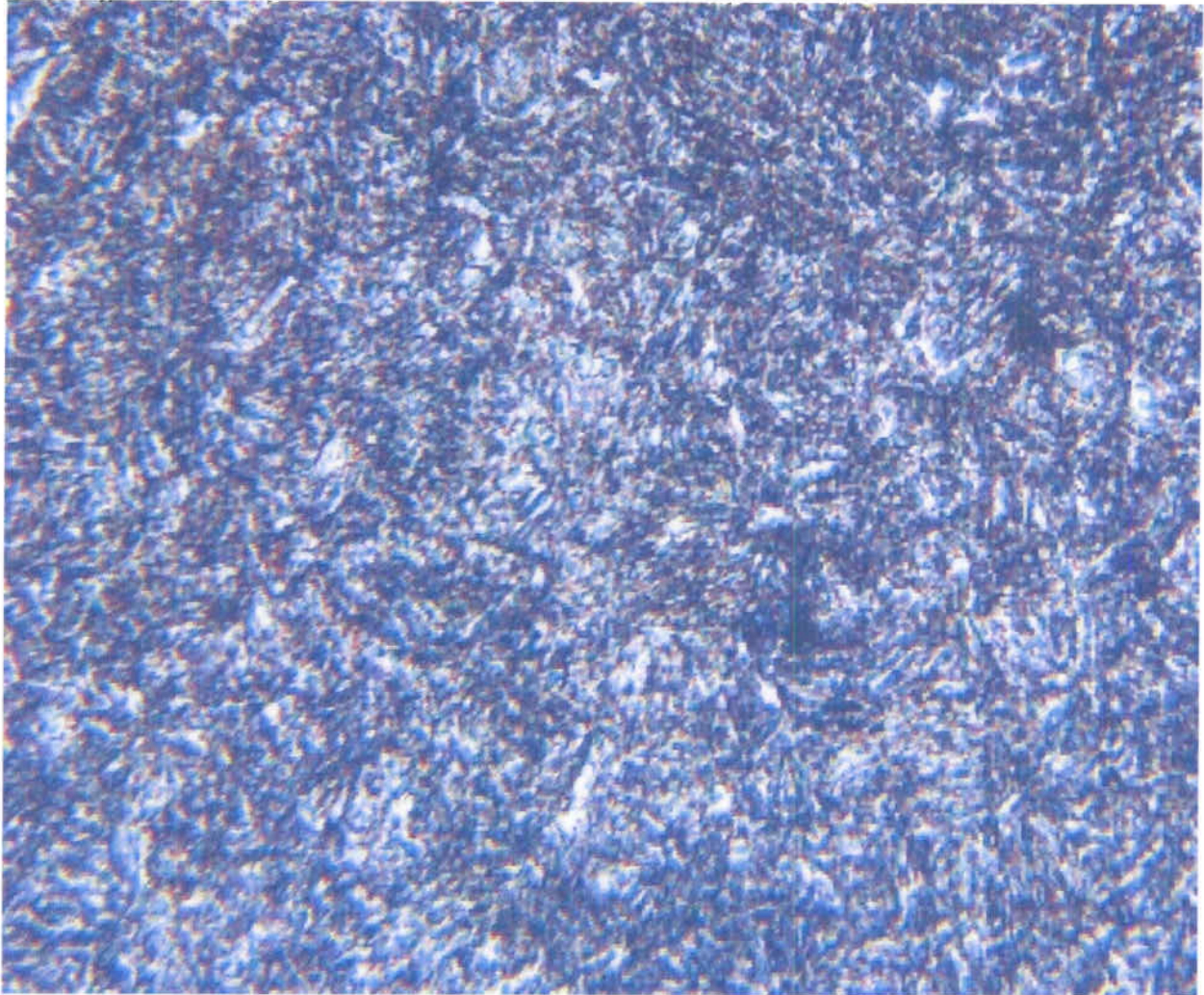


Photo 4
Optical Micrograph of Sample 2 Etched. Magnification: 1000X

The results presented in this report relate only to the item(s) tested. This report can only be reproduced in its entirety unless written permission from TEI is obtained.

Client No.: GOO001

P.O. No.: 12011

Project: Good Earth Agri-Products

Hardness: HRC

Mark No.	1	2	3	4	5	
Specimen No.	GE709-P	GE709-P	GE709-P	GE709-P	GE709-P	
Hardness:	40.1	43.0	37.0	42.0	43.4	
	38.4	42.4	44.7	37.3	44.0	
	38.0	41.0	45.0	42.3	41.9	
	42.3	40.3	43.8	43.7	40.9	
	40.3	42.1	40.8	43.0	46.0	
Average:	39.6	41.8	43.1	42.4	43.1	
Scale or Load:	HRC	HRC	HRC	HRC	HRC	
Test Equipment: Rockwell Future-Tech Model: FR-3E S/N: FRT40031					SOP: 20.090	

Results Reported To: Good Earth Agri-Products

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Samples pertaining to this report will be discarded 30 days from the date of this report unless other wise advised