Tire Impression Analysis MAKE-UP Lab Assignment

Task 1: PAGE 2 OF THIS PACKET

On the accompanying copy of a tire impression & using the Tire Analysis Notes, identify the following:

a. Measure the distance between each row of grooves
b. Identify the following on your drawing: center line, rib, groove, sipe/design element, tread wear indicator, any noticeable cuts, fracture, id-able traits

Task 2: PAGE 3 and 4 OF THIS PACKET

Examine the unknown tire mark #12 on page 4 and match to either Known Tire A or Known Tire B, on page 3, and match according to the following criteria …

a. Measure the width of the marks and grooves
b. Measure the distance between each of the grooves within the tire mark (i.e. measure the 'gaps' in through the width portion of the mark)
c. Note any distinguishable/identifiable features of your tire mark
d. Summarize your results with 3 clear statements that prove your match correct.

Task 3: Using the Internet find a newspaper article or court case that uses Tire Impression Analysis as part of the investigation and do the following:

a. Either print the article/case or write the URL of where I can find it
b. Summarize the article / court case and its relevancy to the topic we are covering

Post-Lab Questions: *Use the notes found on BlackBoard to help answer these questions*

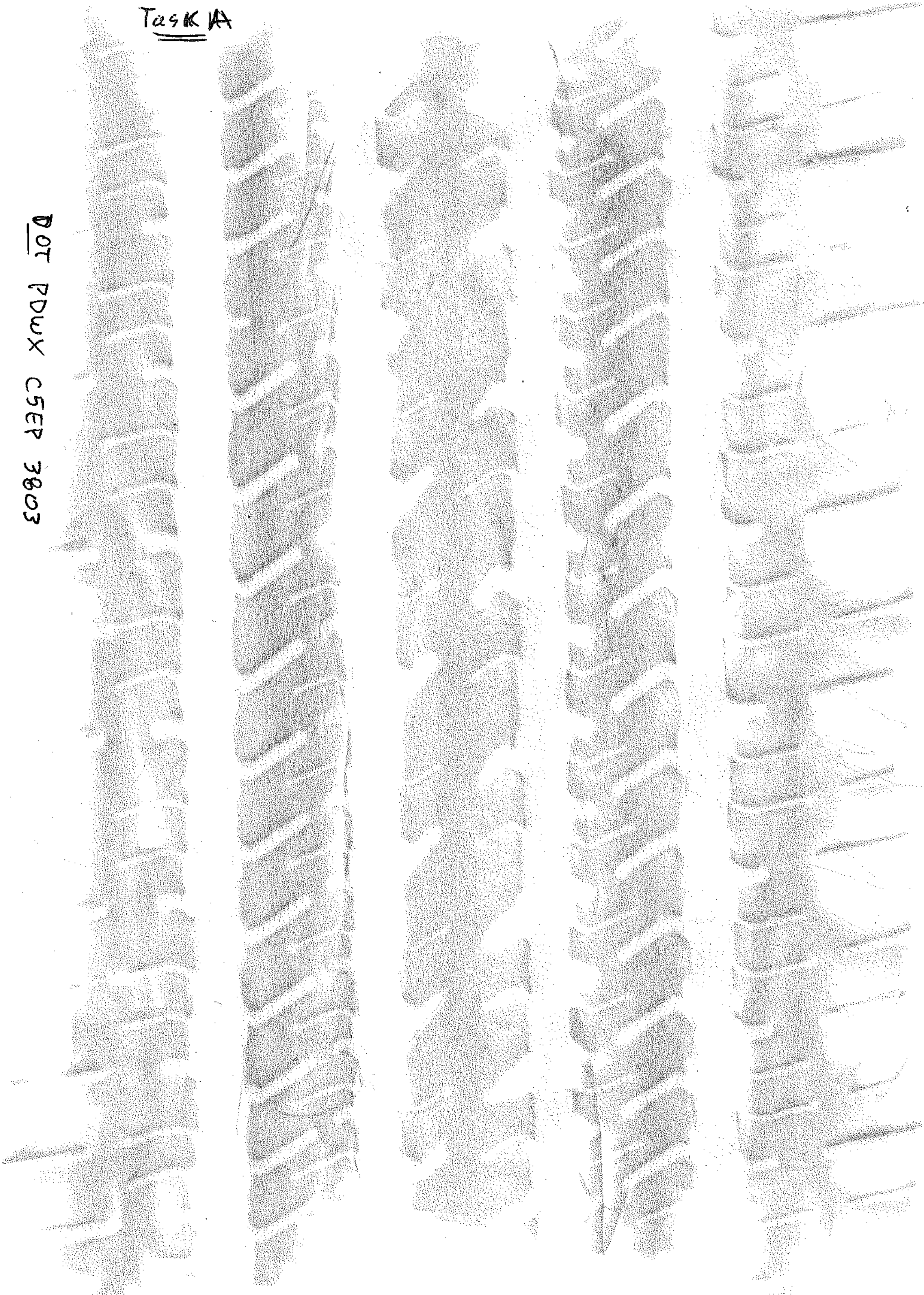
1. Given the following DOT number: DOT AC 3804, What does DOT stand for? What does AC represent? What does 3804 tell you about the tire?

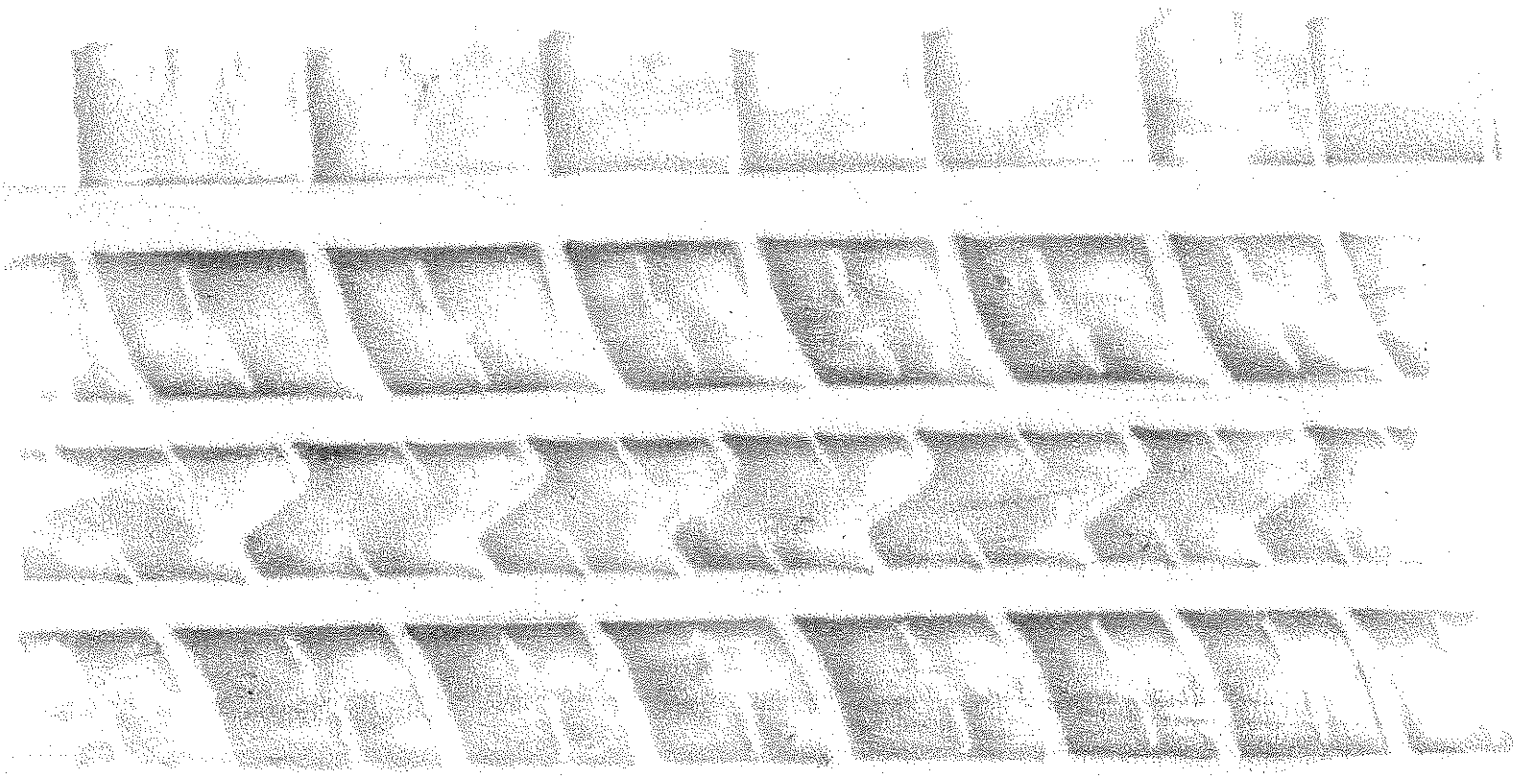
2. Were any of the tires you analyzed in part A or B "retread" tires? How did you know?

3. What type of vehicles are more likely to have retread tires?

Task 1A

DOT PDWX C5EP 3803





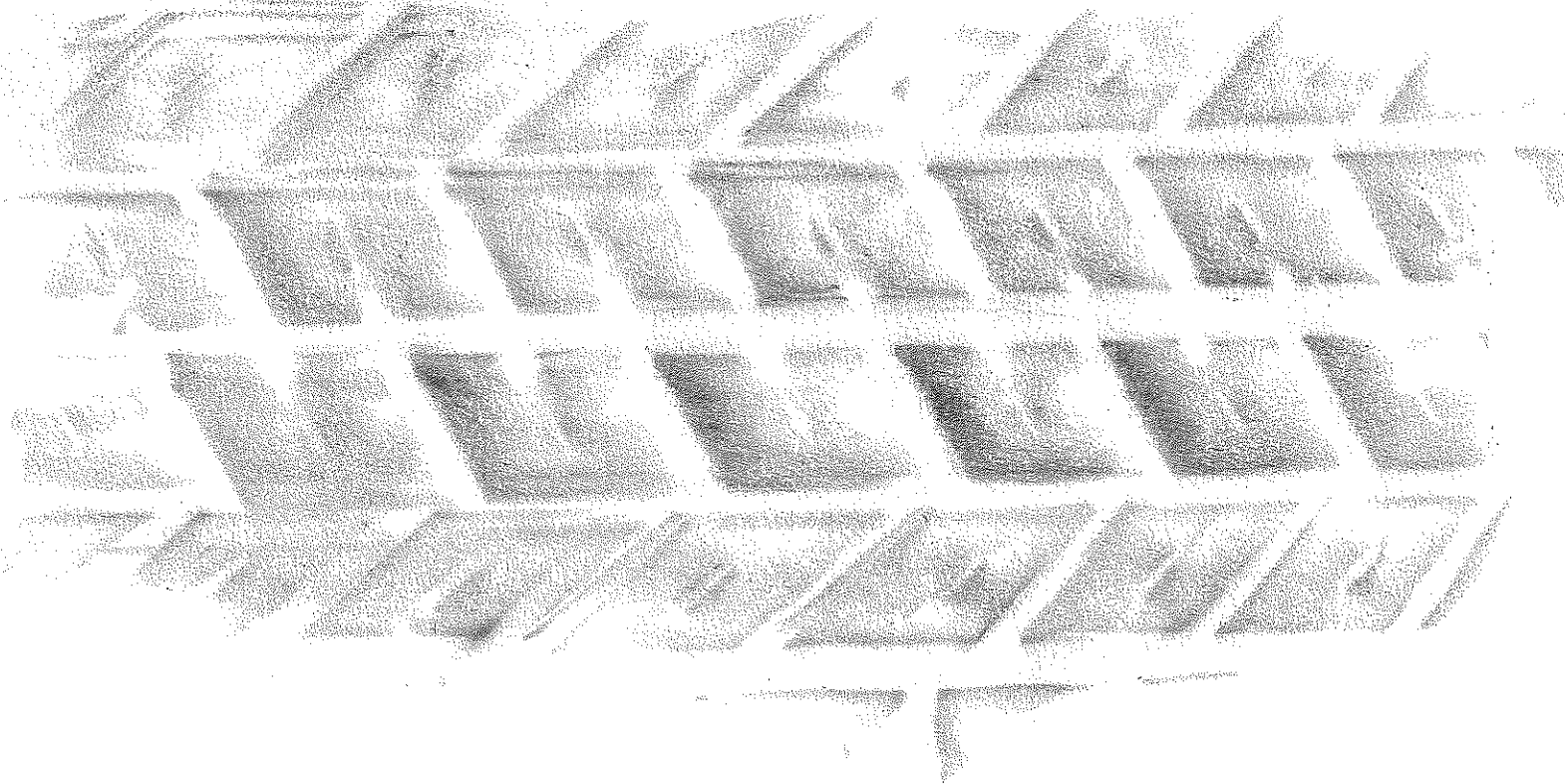
Known Tire A

DOT: 27TW YP5M 3605

TASK B

Known Tire B

DOT: AC 7J 3KE 0802



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