Handout 6:
Match It

Match it

Match it means taking the Given and Requested information and matching it to words or phrases that are the same or mean the same thing. You might find these matches in a textbook, a manual, a page of information, or a story. The word "document" will be used to mean any of these from now on.

How do I *Match it?*

Step 1: **Read it.** Read the question. Make sure you understand it.

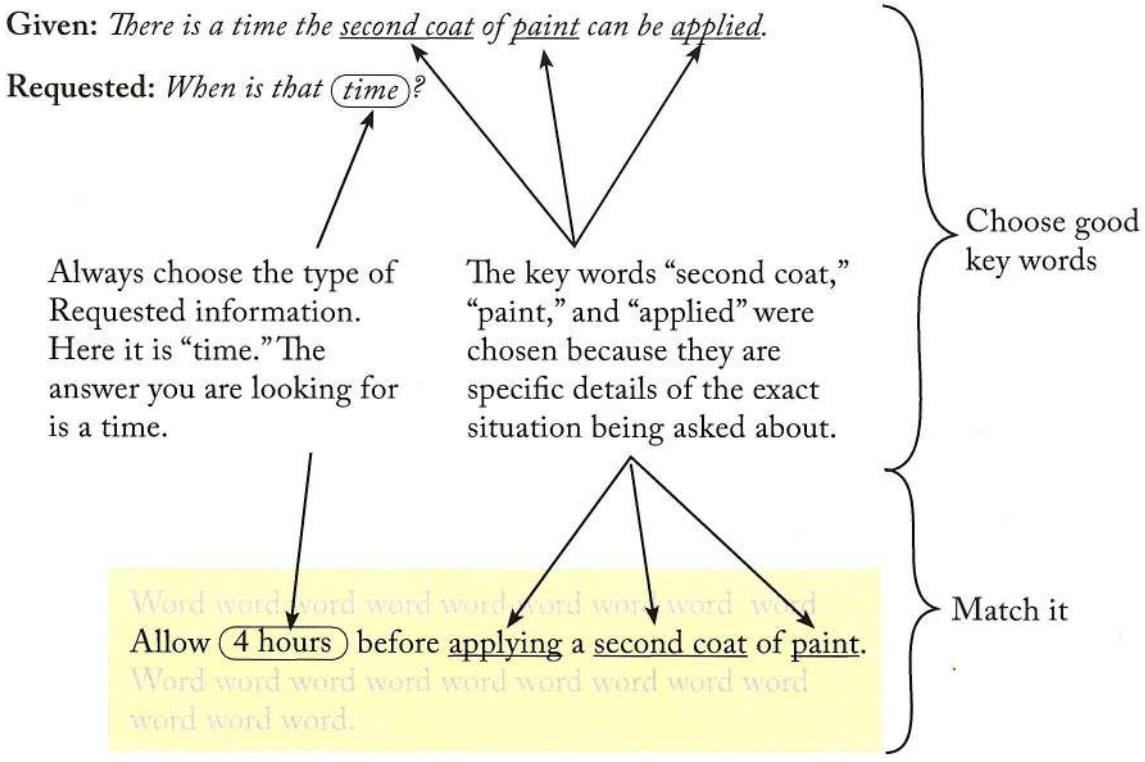
Question *When can the second coat of paint be applied?*

Step 2: **Snap it.** Snap the question into the Given and Requested information.

Given: *There is a time the second coat of paint can be applied.*

Requested: *When is that time?*

Step 3: **Match it.** Choose good key words from the Given and Requested information to use for finding matches in the document. Then scan the document to *Match it.*



Continued...

Handout 6: Continued

The next examples focus only on choosing good key words, an important part of the *Match it* step. The goal is to choose enough key words to find the Requested information, but not so many that it is hard to remember them all. Key words from the Given are underlined, and the key word from the Requested is circled.

Example 1

Step 1: **Read it.** *Where is the first aid station on the site?*
Step 2: **Snap it.**

Given: *There is a location for the first aid station on the site.*

Requested: *Where is that location?*

Step 3: **Match it.** Choose good key words from the Given and Requested information, then *Match it.*

Given: *There is a location for the first aid station on the site.*

Requested: *Where is that (location)?*

Example 2

Step 1: **Read it.** *What is the function of the pull cords?*
Step 2: **Snap it.**

Given: *There is a function for the pull cords.*

Requested: *What is that function?*

Step 3: **Match it.** Choose good key words from the Given and Requested information, then *Match it.*

Given: *There is a function for the pull cords.*

Requested: *What is that (function)?*

Example 3

Step 1: **Read it.** *What are the similarities between the two styling products?*
Step 2: **Snap it.**

Given: *There are similarities between the two styling products.*

Requested: *What are those similarities?*

Step 3: **Match it.** Choose good key words from the Given and Requested information, then *Match it.*

Given: *There are similarities between the two styling products.*

Requested: *What are those (similarities)?*

Handout 7:
Match It *Locate*

There are four different types of matches: Locate, Cycle, Integrate, and Generate. Locate is the easiest of the four. This handout explains what a Locate type of match means and what it looks like.

What Locate match means

A Locate match is when the key words from the Given and Requested information almost exactly match the words in the document. You can think of a Locate match as a "Right there!" match.

What Locate match looks like

Study the example to see what a Locate match looks like.

Example

Step 1: **Read it.**

How often should permanent assemblies be inspected?

Step 2: **Snap it.**

Given: *There are times that permanent assemblies should be inspected.*

Requested: *When are those times?*

Step 3: **Match it.**

Given: *There are times that permanent assemblies should be inspected.*

Requested: *When are those (times)?*

- Inspect permanent assemblies (annually, or more often in severe operating conditions.)

WEDGE SOCKET
WARNING AND APPLICATION INSTRUCTIONS

S-421
US-422

Important Safety Information – Read and Follow

Inspection/Maintenance Safety

- Always inspect socket, wedge and pin before using.
- Do not use part showing cracks.
- Do not use modified or substitute parts.
- Repair minor nicks or gouges to socket or pin by lightly grinding until surfaces are smooth. Do not reduce original dimension more than 10%. DO not repair by welding.
- Inspect permanent assemblies annually, or more often in severe operating conditions.
- Do not rim and match wedges or pins between models or sizes.
- Always select the wedge and socket for the wire rope size.

Assembly Safety

- Use only with standard 6 to 8 strand wire rope of designated size. For intermediate size rope, use next larger size socket. For example: When using 5/16" diameter wire rope use a 3/8" size Wedge Socket Assembly. Welding of the tail on standard wire rope is not recommended. The tail length of the dead end should be a minimum of 6 rope diameters but not less than 6".
- Align live end of rope, with center line of pin. (See Figure 1)
- Secure dead end section of rope. (See Figure 1)
- DO NOT ATTACH DEAD END TO LIVE END (see Figure 2)
- Use hammer to seat Wedge and Rope as deep into socket as possible before applying first load.
- To use with Rotation Resistant wire rope (special wire rope constructions with 8 or more outer strands) ensure that the dead end is welded, brazed or seized before inserting the wire rope into the wedge socket to prevent core slippage or loss of rope lay. The tail length of the dead end should be a minimum of 20 rope diameters but not less than 6". (See Figure 1)

WARNING

- Loads may slip or fall if the Wedge Socket is not properly installed.
- A falling load can seriously injure or kill.
- Read and understand these instructions before installing the Wedge Socket.
- Do not side load the Wedge Sockets.
- Do not interchange Crosby wedge socket, wedge or pin with non Crosby wedge socket, wedge or pin.
- Apply first load to fully seat the Wedge and Wire Rope in the socket. This load should be of equal or greater weight than the loads expected in use.
- Do not interchange wedges between S-421 and US-422 or between sizes.

Tail Length*

RIGHT WRONG WRONG

Figure 2

*Tail Length
Standard 6 to 8 strand wire rope
A minimum of 6 rope diameters, but not less than 6"
(i.e. - For 1" rope Tail Length = 1" x 6 = 6")

Rotation Resistant Wire Rope
A minimum of 20 rope diameters, but not less than 6"
(i.e. - For 1" rope Tail Length = 1" x 20 = 20")

Figure 1

Operating Safety

- Apply first load to fully seat the Wedge and Wire Rope in the socket. This load should be of equal or greater weight than loads expected in use.
- Efficiency rating of the Wedge Socket termination is based upon the catalog breaking strength of Wire Rope. The efficiency of properly assembled Wedge Socket is 80%.
- During use, do not strike the dead end section with any other elements of the rigging (Called two-blocking)

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(Answer: annually, or more often in severe operating conditions)

Handout 8:
Match It *Cycle*

There are four different types of matches: Locate, Cycle, Integrate, and Generate. Cycle is the second easiest of the four. This handout explains what a Cycle type of match means and what it looks like.

What Cycle match means

A Cycle match is a Locate match that is repeated. You Cycle or repeat your search when you have to find more than one of the same kind of information. You can think of a Cycle match as a "Right there repeater!" match.

What Cycle match looks like

Study the example to see what a Cycle match looks like.

Example

Step 1: **Read it.**

What types of wire rope do these instructions apply to?

Step 2: **Snap it.**

Given: *There are types of wire rope these instructions apply to.*

Requested: *What are the types?*

Step 3: **Match it.**

Given: *There are types of wire rope these instructions apply to.*

Requested: *What are the (types)?*

match 1

match 2

match 3

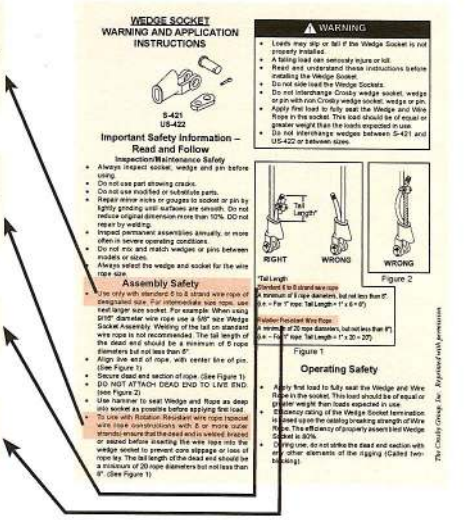
match 4

Assembly Safety

- Use only with standard 6 to 8 strand wire rope of designated size. For intermediate size rope, use
- To use with Rotation Resistant wire rope (special wire rope constructions with 8 or more outer strands) ensure that the dead end is welded, brazed

Standard 6 to 8 strand wire rope

Rotation Resistant Wire Rope



Decide that match 1 and match 3 are the same: standard 6 to 8 strand wire rope.
Decide that match 2 and match 4 are the same: Rotation Resistant wire rope.

(Answer: standard 6 to 8 strand wire rope and Rotation Resistant wire rope)

Handout 9:
Match It *Integrate*

There are four different types of matches: Locate, Cycle, Integrate, and Generate. Integrate is the third of the four and it is moderately difficult. This handout explains what an Integrate type of match means and what it looks like.

What Integrate match means

An Integrate match is a Cycle match plus something more. First you Cycle to find two or more pieces of information, and then you have to combine these pieces of information. You can think of an Integrate match as a "smash and stash" match. You "smash" the document apart to find the pieces you need, and you then "stash" the pieces together in a special way.

What Integrate match looks like

Study the example to see what an Integrate match looks like.

Example

Step 1: **Read it.**

What is the similarity between the tail length of a standard 6 to 8 strand wire rope and a Rotation Resistant wire rope?

Step 2: **Snap it.**

Given: *There is a similarity between the tail length of a standard 6 to 8 strand wire rope and a Rotation Resistant wire rope.*

Requested: *What is the similarity?*

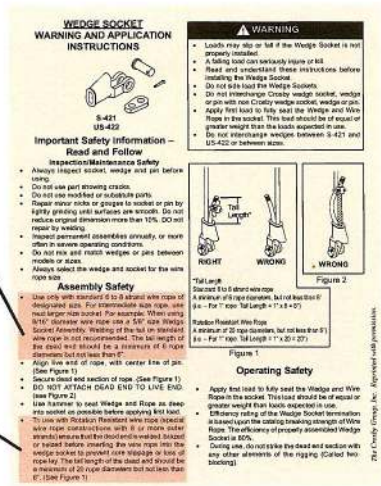
Step 3: **Match it.**

Given: *There is a similarity between the tail length of a standard 6 to 8 strand wire rope and a Rotation Resistant wire rope.*

Requested: *What is the similarity?*

- Use only with standard 6 to 8 strand wire rope of designated size. For intermediate size rope, use next larger size socket. For example: When using 9/16" diameter wire rope use a 5/8" size Wedge Socket Assembly. Welding of the tail on standard wire rope is not recommended. The tail length of the dead end should be a minimum of 6 rope diameters but not less than 6".

- To use with Rotation Resistant wire rope (special wire rope constructions with 8 or more outer strands) ensure that the dead end is welded, brazed or seized before inserting the wire rope into the wedge socket to prevent core slippage or loss of rope lay. The tail length of the dead end should be a minimum of 20 rope diameters but not less than 6". (See Figure 1)



WEDGE SOCKET
WARNING AND APPLICATION INSTRUCTIONS

S-421
US-422

Important Safety Information – Read and Follow

Inspection/Maintenance Safety

Assembly Safety

Operating Safety

WARNING

RIGHT WRONG WRONG

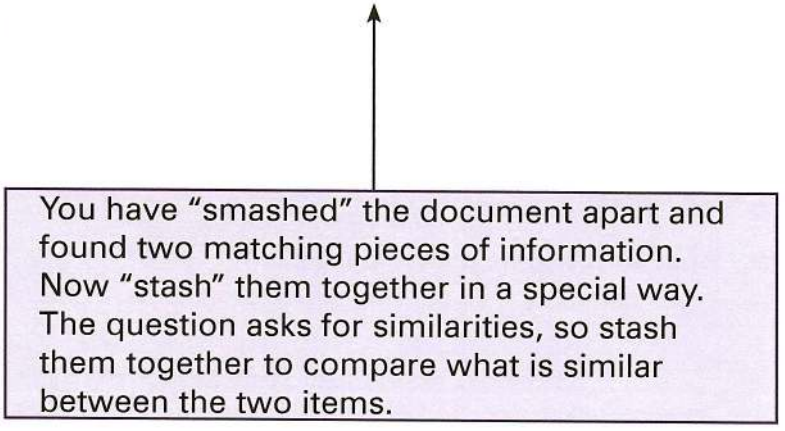
Figure 1

Figure 2

Continued...

Handout 9: Continued

Tail lengths of wire ropes	
standard 6 to 8 strand	**Rotation Resistant**
minimum of 6 rope diameters but not less than 6"	minimum of 20 rope diameters but not less than 6"



(Answer: The similarity between the tail length of Standard 6 to 8 strand wire rope and a Rotation Resistant rope is that both tail lengths must not be less than 6".)