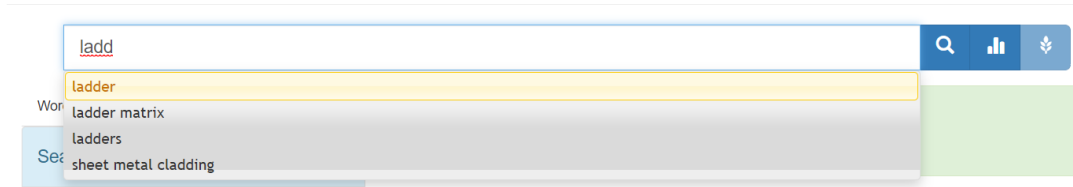


Step-by-Step guide to using the Lloyds HSearch system

1. Start to type a query term into the search textbox. Terms starting with the entered characters will be displayed automatically below the search box; the desired complete query term should be selected from this list.



Lloyds HSearch



2. After selecting the query term, click on the button with the magnifying glass; documents containing the query term will be displayed on the right-hand side of the screen. On the left-hand side of the screen, a “word cloud” is shown, where the “bubbles” represent the most frequently occurring terms in the search results – the size of the each bubble indicates the importance (frequency) of the term displayed within the bubble.

Search

Word Cloud Clusters Entitles

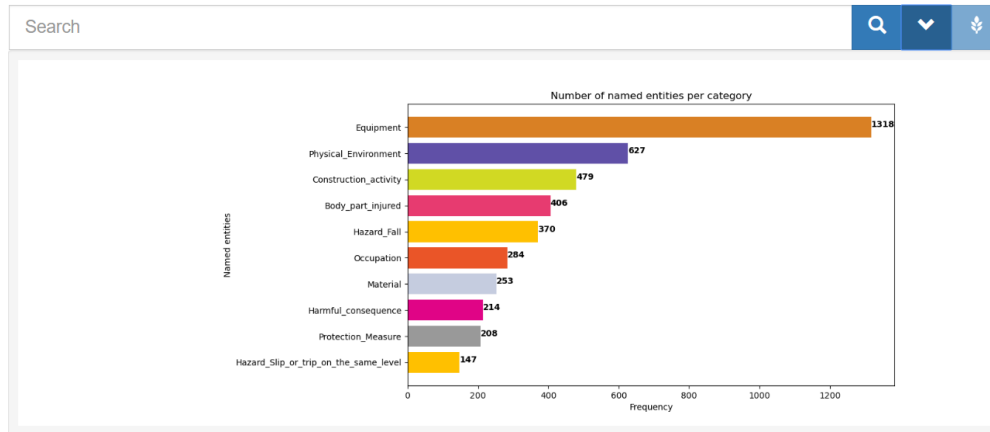
Searched term: **scaffold**

Selected: "scaffold"

Search Results: (138 documents found in 0.019 seconds.)

Number	Text	
1539	erecting ladder access scaffold external of the ...	Summary
599	the ip was returning across the site from using the toilet ...	Summary
411	during modification of scaffold , the scaffold ...	Summary
790	the ip (#name#) was working on a sub contract basis for #n ...	Summary
3000	dp was a scaffolder working with a colleague who was also in ...	Summary

3. Clicking on the button with the graph (next to the search box) will provide an overview of the semantic content of the search results. Specifically, automatic text mining analysis will identify mentions of different types of concepts within the search results. The frequency counts of the mentions of different types of concepts (which we refer to as *entities*) occurring within the search results are shown in the graph.



The concepts that may be shown in the graph are as follows:

- **Equipment** - Any type of equipment used during the course of carrying out construction activities
- **Physical_Environment** - Any phrase referring to the physical environment of the construction work. Includes:
 - Permanent, or semi-permanent structures (including parts of such structures and materials used to build them) that will stay in place once a construction project has finished
 - Construction sites
 - Natural environments/locations where construction is taking place
- **Construction_activity** - Any physical activity or action carried out as part of everyday tasks relating to construction work. Excludes unintended actions/accidents.
- **Material** - Any building material used during construction activities.
- **Body_part_injured** - A part of the body injured during an incident while carrying out construction-related activity.
- **Occupation** - A construction-related occupation or description of a person or group of people according to the construction-related task that they are undertaking
- **Harmful_consequence** - A change in a person's physical state or wellbeing that is a consequence of a harmful incident or a health and safety issue.
- **Protection_Measure** - A measure or action that is taken to increase safety at work, to prevent hazards and/or reduce the risk of accidents.
- **Hazard** - An unexpected/unintentional and (potentially) harmful accident/incident (or an unintentional precursor event) that has occurred or which may occur during construction activities. Further categorised according to the nature of the hazard
 - **Hazard_material_effect_on_health** - A hazard arising from exposure to harmful substances or materials during construction activities.
 - **Hazard_mechanical_effect_on_health** - Health hazards arising from working with particular types of machinery during construction activities.

- **Hazard_contact_with_energy_source** - A hazard arising through contact with various energy sources that are used or which occur during the course of construction activities
- **Hazard_fall** - A hazard arising when a person falls from a height while carrying out construction activities
- **Hazard_manual_handling** - A hazard arising through manual handling of materials in various ways while carrying out construction activities
- **Hazard_machinery_operation** - A hazard arising through operating machinery while carrying out construction activities
- **Hazard_slip_or_trip_on_the_same_level** - Risks arising from slippery surfaces, uneven surfaces, trip hazards and obstructions to movement
- **Hazard_struck** - A hazard resulting in a worker being struck by an object while carrying out construction activities
- **Hazard_trapped** - A hazard arising through a worker becoming trapped while carrying out construction activities or injured due to working in a confined space, including asphyxiation.

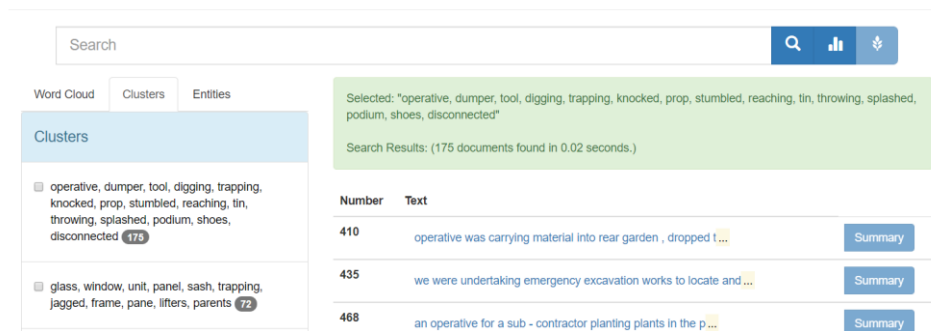
4. Clicking on a term in the word cloud will cause it to be automatically copied to the search box as a query term; a new search using the selected term may then be carried out by clicking on the button with the magnifying glass.

The screenshot shows a search interface with a search box containing the word "ladder" and a magnifying glass icon. Below the search box, there are tabs for "Word Cloud", "Clusters", and "Entities". The "Word Cloud" tab is active, displaying a word cloud with various terms and their frequencies. The term "scaffold" is highlighted in red, and its frequency is 100. Other terms include "ladder" (79), "board" (55), "struck" (30), "slipped" (27), "operatives" (37), "roof" (37), "scaffold tube" (40), "pain" (28), "ankle" (37), "boards" (55), "scaffold platform" (32), "site" (41), "scaffold" (85), "board" (35), "scaffold" (85), "feet" (25), "negative" (12), "struck" (30), "slipped" (27), "scaffold" (100), "board" (35), "scaffold" (85).

Selected: "scaffold"
 Search Results: (138 documents found in 0.019 seconds.)

Number	Text
1539	erecting ladder access scaffold external of the ...
599	the ip was returning across the site from using the toilet ...
411	during modification of scaffold , the scaffold ...
790	the ip (#name#) was working on a sub contract basis for #n ...

5. The documents returned by a search are automatically arranged into clusters according to their semantic content. The different clusters may be viewed by clicking on the "Clusters" tab on the left-hand side of the screen. Each cluster is characterised by a list of key terms (labels). Clicking of the check box for a given cluster will cause the search results to be filtered to display only the documents belonging to the selected cluster.



Search

Word Cloud Clusters Entities

Clusters

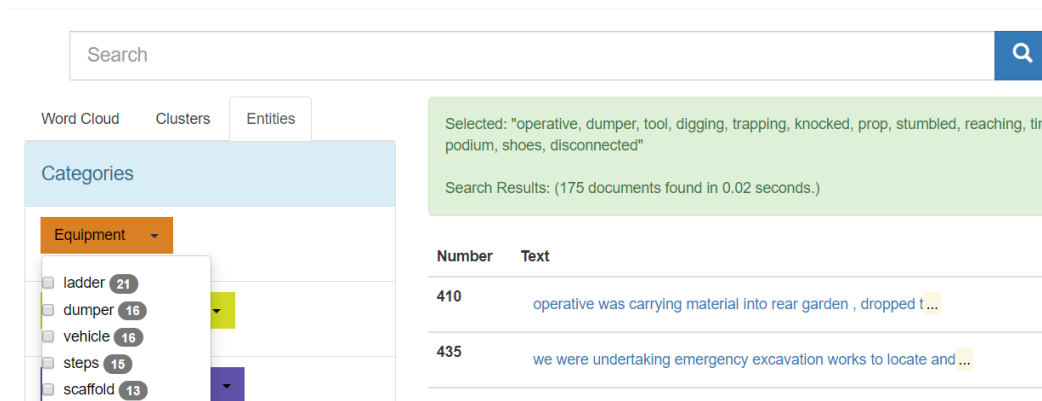
- operative, dumper, tool, digging, trapping, knocked, prop, stumbled, reaching, tin, throwing, splashed, podium, shoes, disconnected (173)
- glass, window, unit, panel, sash, trapping, jagged, frame, pane, lifters, parents (72)

Selected: "operative, dumper, tool, digging, trapping, knocked, prop, stumbled, reaching, tin, throwing, splashed, podium, shoes, disconnected"

Search Results: (175 documents found in 0.02 seconds.)

Number	Text	
410	operative was carrying material into rear garden , dropped t...	Summary
435	we were undertaking emergency excavation works to locate and...	Summary
468	an operative for a sub - contractor planting plants in the p...	Summary

- Clicking on the “Entities” tab on the left hand side of the screen will display drop-down lists for each of the semantic entity types introduced above. Clicking on the arrow on the right-hand side of these lists will cause them to be expanded. The items in each list correspond to all the different terms that are categorised as belonging to the given category within the search results, ordered in descending order of frequency. Clicking on one of these items will cause the search results to be filtered to retain only those documents in which the selected entity is mentioned.



Search

Word Cloud Clusters Entities

Categories

Equipment

- ladder (21)
- dumper (16)
- vehicle (16)
- steps (16)
- scaffold (13)

Selected: "operative, dumper, tool, digging, trapping, knocked, prop, stumbled, reaching, tin, podium, shoes, disconnected"

Search Results: (175 documents found in 0.02 seconds.)

Number	Text	
410	operative was carrying material into rear garden , dropped t...	
435	we were undertaking emergency excavation works to locate and...	

- On the right-hand side of the screen, clicking on a text snippet of one of the search results will cause the complete text of the selected document to be displayed. In the displayed text, the automatically recognised entities will be highlighted and labelled according to the semantic category that has been assigned to them. Clicking on the “Back” button at the top of this page will return to the main search page.

Concept view

Back

1 IP was part of a two man team who would follow joiners installing new entrance doors .once at the specific location both members of the team ' s job was to uplift the old existing timber door and associated timber frame etc , place on the back og a ford pick - up truck and transfer to a designated recycling area .during the manual handling process the IP felt a twinge to his righth shoulder .the IP states that it did not stop him carrying out his normal working duties at that point but steadily got worse as the week progressed finally reporting the injury to a line manager on the #DATE# - manager name morris roberts .during the accident investion it was noted that the i .p .has reported 6 occasions where an accident has occurred during the manual handling of items since #DATE# it was also noted that he has attended manual handling traing , has had manual handling tool box talks and has a copy of safety instruction cards pertaining to manual handling .he is also aware of the contents of the ssow .on conclusion of the investigation a decision has been made to send the i .p . on a manual handling refresher course and has been reminded that good manual handling techniques / practices should be adopted on every occasion ..

8. If a document contains a large amount of text, the “Summary” button of may be clicked, which will cause a shorter summary of the document to be displayed. Clicking on the “Back” button at the top of this page will return to the main search page.

Summary

Back

TextRank

3 m cup - lock tube over hand from ground level to approx 3 m height , where #name# #name# was receiving and stacking the required tube while standing on a fully boarded platform with a single guard rail (the platform was a non working platform / was only being used to enable scaffolding to be erected in accordance to #name# (#name# & #name#) were both a little vague when asked exactly what happened they both agreed that as #name# past the 1 . 3 m cup - lock tube leaving his left hand resting on the ledger tube in front of him whilst turning . all employees have been made aware of the accident , and have been cautioned that falling materials at any height can be dangerous , and a manual handling toolbox talk was held at our depot (yard) immediately when we were aware of the damage caused . cots - scaffold laborer part 1 - improver scaffolder (trainee) part 2 - basic scaffolder level 3 - advanced scaffolder re - fresher course nasc guidelines tg 20 : 13 & sg 4 : 15

Whole Text

erecting ladder access scaffold external of the existing building allowing access to roof , on the front elevation , as per #name# & #name# . #name# #name# was passing 1 . 3 m cup - lock tube over hand from ground level to approx 3 m height , where #name# #name# was receiving and stacking the required tube while standing on a fully boarded platform with a single guard rail (the platform was a non working platform / was only being used to enable scaffolding to be erected in accordance to #name# (#name# & #name#) were both a little vague when asked exactly what happened they both agreed that as #name# past the 1 . 3 m cup - lock tube to #name# #name# in momentum #name# #name# turned to pick another 1 . 3 m cup - lock tube leaving his left hand resting on the ledger tube in front of him whilst turning . #name# miss judge his grip and the tube slipped throw his hand falling approx . 2 m and landing on to #name# #name# hand which was resting on the ledger below . which caused two number fingers to be crushed . all employees have been made aware of the accident , and have been cautioned that falling materials at any height can be dangerous , and a manual handling toolbox talk was held at our depot (yard) immediately when we were aware of the damage caused . all operatives have been cisrs trained at all levels . cots - scaffold laborer part 1 - improver scaffolder (trainee) part 2 - basic scaffolder level 3 - advanced scaffolder re - fresher course nasc guidelines tg 20 : 13 & sg 4 : 15