



SIF

DECISION

TREE



-----> **START** (use mouse to navigate)

Did the employee sustain a life threatening, life altering or life ending injury?



◀ (Click to View)

Did the employee sustain a
life threatening, life altering or
life ending injury?

Yes

This is a
SIF Actual



► Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Which of the following hazards were associated with the event?



Fall From Height



Electrical Exposure



Pressure Release



Fire or Explosion



Struck by/Caught Between Objects



Vehicle Accident



Dropped Objects



Hazard Not Listed



◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Fall From Height

Did the employee fall or have the potential to fall 4' or greater?



◀ (Click to View)

**This is
Not a SIF**



▶ Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Fall From Height

Did the employee fall or have the potential to fall 4' or greater?

No

Were controls In place which prevented all employees from the hazard, ie. the use of fall protection?



◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Fall From Height

Did the employee fall or have the potential to fall 4' or greater?

Yes

This is a SIF Potential



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Fall From Height

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Yes

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No

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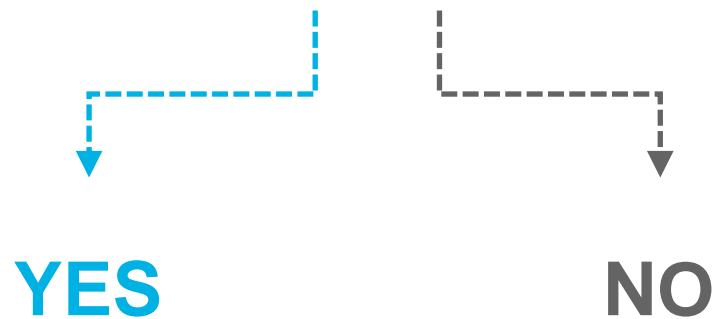
Did the employee sustain a life threatening, life altering or life ending injury?

No



Pressure Release

Was the event a result of a low-pressure component in a high-pressure system?



◀ (Click to View)



This is a SIF Potential



► Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Pressure Release

Was the event a result of a low-pressure component in a high-pressure system?

Yes

Did or could the pressure release result in someone being struck or cause them to strike their head or torso?



Did the employee sustain a life threatening, life altering or life ending injury?

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Pressure Release

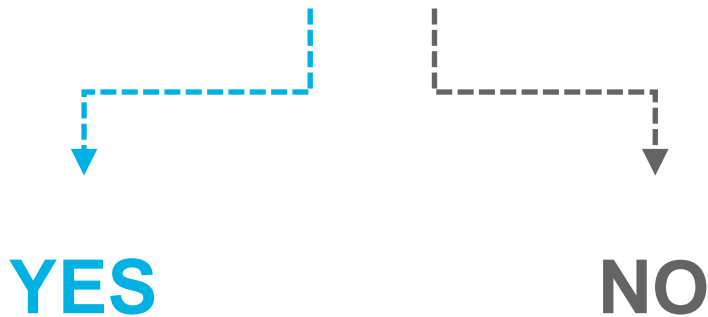
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**Were controls In place
which prevented all
employees from being
exposed the hazard?**



◀ (Click to View)

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Were controls in place which prevented all employees from being exposed the hazard?

No

Did or could the pressure release result in someone being pierced in a vital body part by a foreign object?



◀ (Click to View)

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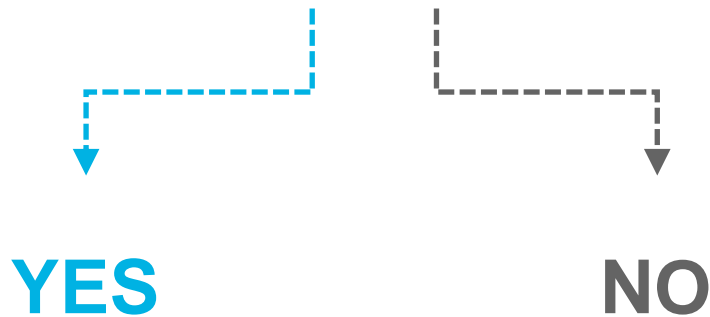
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Struck by/Caught Between Objects

Was the energy source of the object: Mechanical, Hydraulic, Rolling Equipment, or Stored/trapped Energy?



◀ (Click to View)

Did or could the event result in a SIF injury?



◀ (Click to View)

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Was the exposure controlled by PPE or Barricades/ buffer zones established and enforced?



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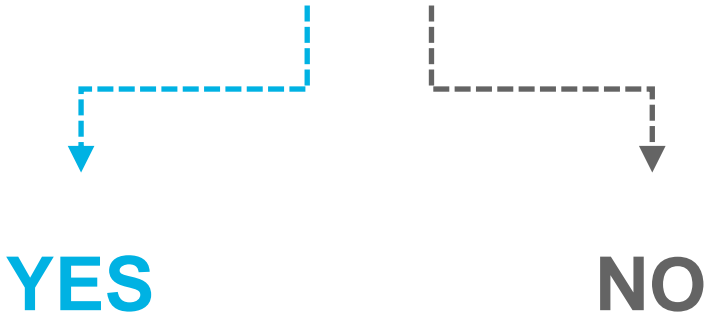
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Did dropped object register on drops calculator as 'major' or higher from it it's max potential height (ie traveling equipment)?



▶ Drops Calculator

◀ (Click to View)

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Dropped Objects

**This is
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▶ [Drops Calculator](#)

▶ [Overview](#)

◀ (Click to View)

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Could / would the object strike a person above the waist



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▶ [Overview](#)

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Did the dropped object fall into an area, where there is NO chance for an individual to be struck by the dropped object? examples (into a tank, vessel, open hole, etc.)



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Is it reasonable to believe the composition of the dropped object would result in a SIF if striking an employee?



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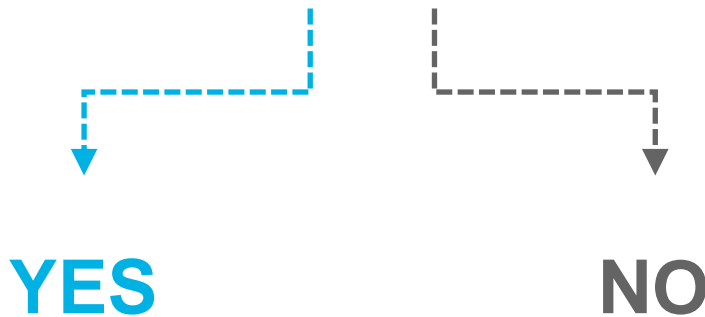
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Were controls In place which prevented all employees from the hazard?



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This is a SIF Mitigated



HAZARDS

▶ Drops Calculator

▶ Overview

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Back

This is a SIF Potential



HAZARDS

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Were controls In place which prevented all employees from the hazard?

No

Did the employee come into contact with an energized source greater than 100 Volts or 76 Milli-Amps ?



YES



NO



◀ (Click to View)

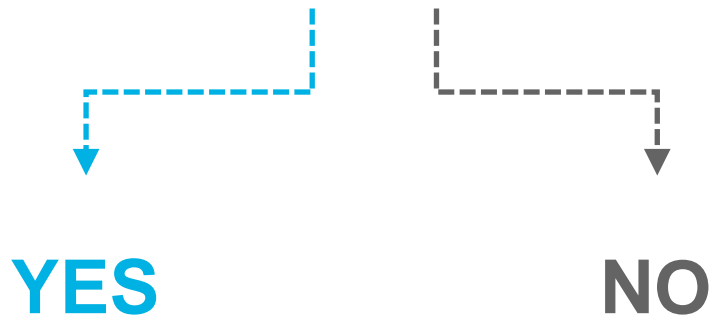
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Electrical Exposure

Is there an inherent safety device in place that worked as design (ie Breaker)?



◀ (Click to View)

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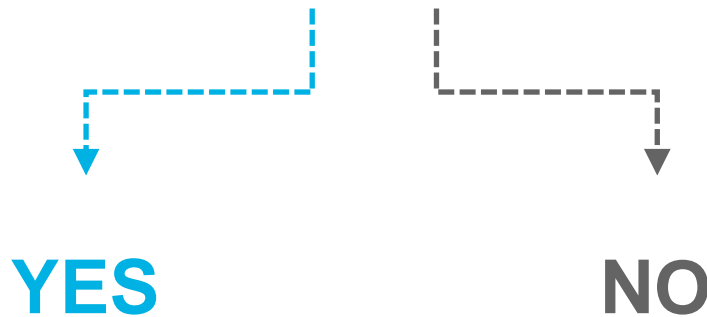
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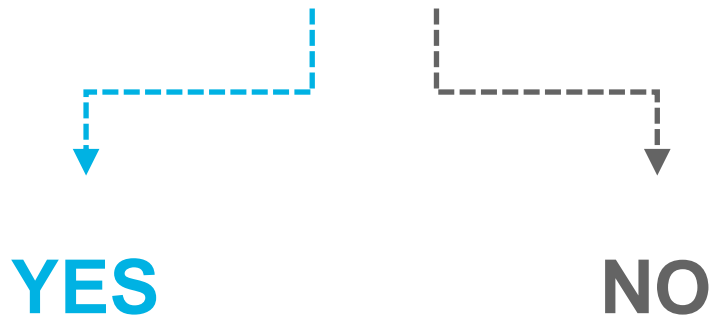
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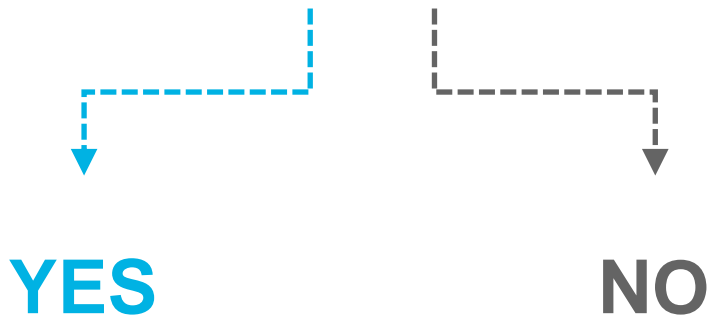
Fire or Explosion

Was anyone exposed (near) to fire or an arc flash?



◀ (Click to View)

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Was anyone exposed (near) to fire or an arc flash?

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Were controls in place which prevented all employees from the hazard? ie. PPE

No

Is the fire in a classified area or near a fuel source?



YES

NO



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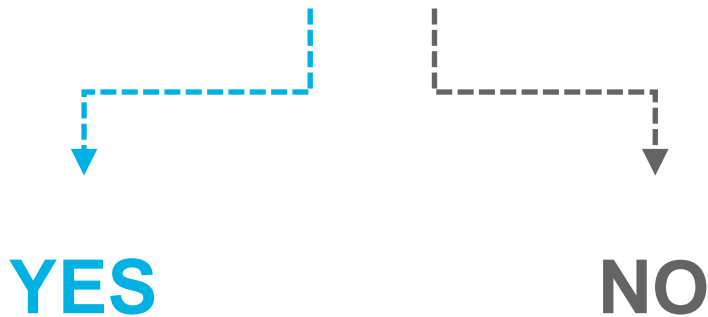
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Is the fire in a classified area or near a fuel source?

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Is this an incipient (small) fire that can be extinguished safely in a timely manner?



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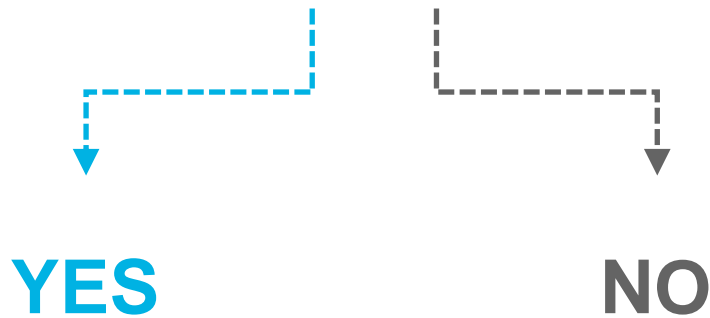
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◀ (Click to View)

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No



Fire or Explosion

Was anyone exposed (near) to fire or an arc flash?

No

Is the fire in a classified area or near a fuel source?

No

Is this an incipient (small) fire that can be extinguished safely in a timely manner?



◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Fire or Explosion

Was anyone exposed (near) to fire or an arc flash?

No

Is the fire in a classified area or near a fuel source?

Yes

**This is
Not a SIF**



► Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Fire or Explosion

Was anyone exposed (near) to fire or an arc flash?

No

Is the fire in a classified area or near a fuel source?

Yes

Is this an incipient (small) fire that can be extinguished safely in a timely manner?

Yes

Were controls In place and performed to extinguish fire and isolate fuel sources in a safe, timely manner?



◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Fire or Explosion

Was anyone exposed (near) to fire or an arc flash?

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Is the fire in a classified area or near a fuel source?

Yes

Is this an incipient (small) fire that can be extinguished safely in a timely manner?

No

This is a SIF Mitigated



► Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

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Yes

This is a SIF Potential



► Overview

◀ (Click to View)

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Is this an incipient (small) fire that can be extinguished safely in a timely manner?

No

Were controls in place and performed to extinguish fire and isolate fuel sources in a safe, timely manner?

No

**Was travel speed of vehicle
(single car accident) or all
vehicles involved in accident
greater than 20 MPH
combined?**



Did the employee sustain a life threatening, life altering or life ending injury?

No



Vehicle Accident



◀ (Click to View)

**Did vehicle safety features
(airbags, seatbelts,
crumple zones) protect
occupant(s) from life
altering injuries or fatality?**



◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Vehicle Accident

Was travel speed of vehicle (single car accident) or all vehicles involved in accident greater than 20 MPH combined?

Yes

This is a SIF Mitigated



► Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Vehicle Accident

Was travel speed of vehicle (single car accident) or all vehicles involved in accident greater than 20 MPH combined?

Yes

Did vehicle safety features (airbags, seatbelts, crumple zones) protect occupant(s) from life altering injuries or fatality?

Yes



This is a SIF Potential



► Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Vehicle Accident

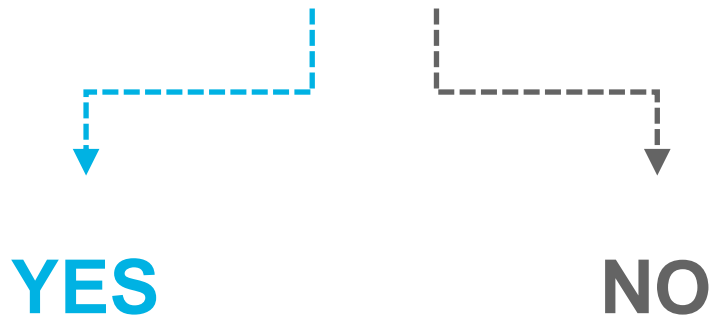
Was travel speed of vehicle (single car accident) or all vehicles involved in accident greater than 20 MPH combined?

Yes

Did vehicle safety features (airbags, seatbelts, crumple zones) protect occupant(s) from life altering injuries or fatality?

No

**Was interior of vehicle
compromised by foreign object,
ingulfed in flame / fumes or
submerged in fluid?**



◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Vehicle Accident

Was travel speed of vehicle (single car accident) or all vehicles involved in accident greater than 20 MPH combined?

No



This is a SIF Potential



► Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Vehicle Accident

Was travel speed of vehicle (single car accident) or all vehicles involved in accident greater than 20 MPH combined?

No

Was interior of vehicle compromised by foreign object, engulfed in flame / fumes or submerged in fluid?

Yes

Did vehicle overturn (rollover)?



◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Vehicle Accident

Was travel speed of vehicle (single car accident) or all vehicles involved in accident greater than 20 MPH combined?

No

Was interior of vehicle compromised by foreign object, engulfed in flame / fumes or submerged in fluid?

No

This is
Not a SIF



► Overview

◀ (Click to View)

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No



Vehicle Accident

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No

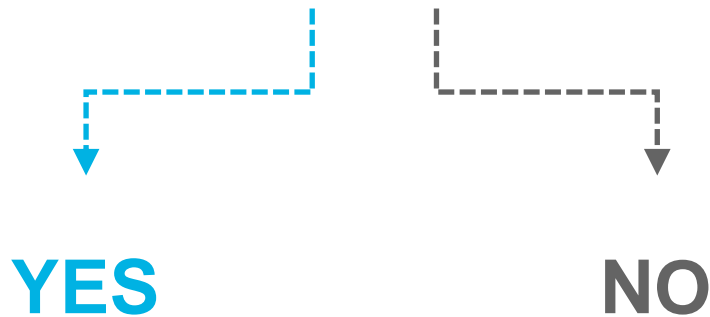
Was interior of vehicle compromised by foreign object, engulfed in flame / fumes or submerged in fluid?

No

Did vehicle overturn (rollover)?

No

Was occupant(s) wearing seatbelts(s)?



◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Vehicle Accident

Was travel speed of vehicle (single car accident) or all vehicles involved in accident greater than 20 MPH combined?

No

Was interior of vehicle compromised by foreign object, engulfed in flame / fumes or submerged in fluid?

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Did vehicle overturn (rollover)?

Yes

This is a SIF Mitigated



► Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

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Was travel speed of vehicle (single car accident) or all vehicles involved in accident greater than 20 MPH combined?

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Yes

This is a SIF Potential



► Overview

◀ (Click to View)

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No

Was interior of vehicle compromised by foreign object, engulfed in flame / fumes or submerged in fluid?

No

Did vehicle overturn (rollover)?

Yes

Was occupant(s) wearing seatbelts(s)?

No

Did the employee sustain a life threatening, life altering or life ending injury?

No



Hazard Not Listed

Was the incident similar to an event that resulted in serious injury or fatality?



◀ (Click to View)

**Were Controls in place
which prevented all
employees from the
exposure to the hazard?**



◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Hazard Not Listed

Was the incident similar to an event that resulted in serious injury or fatality?

Yes

This is a SIF Mitigated



► Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Hazard Not Listed

Was the incident similar to an event that resulted in serious injury or fatality?

Yes

Were Controls in place which prevented all employees from the exposure to the hazard?

Yes



This is a SIF Potential



▶ Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Hazard Not Listed

Was the incident similar to an event that resulted in serious injury or fatality?

Yes

Were Controls in place which prevented all employees from the exposure to the hazard?

No

Is it reasonable to believe the exposure ie. Contact, Engulfment, Inhalation, Environmental could have resulted in a serious injury or fatality?



◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Hazard Not Listed

Was the incident similar to an event that resulted in serious injury or fatality?

No

This is
Not a SIF



► Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Hazard Not Listed

Was the incident similar to an event that resulted in serious injury or fatality?

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◀ (Click to View)

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No



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Was the incident similar to an event that resulted in serious injury or fatality?

No

Is it reasonable to believe the exposure ie. Contact, Engulfment, Inhalation, Environmental could have resulted in a serious injury or fatality?

Yes

This is a SIF Mitigated



► Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Hazard Not Listed

Was the incident similar to an event that resulted in serious injury or fatality?

No

Is it reasonable to believe the exposure ie. Contact, Engulfment, Inhalation, Environmental could have resulted in a serious injury or fatality?

Yes

Were Controls in place which prevented all employees from the exposure to the hazard?

Yes

This is a SIF Potential



► Overview

◀ (Click to View)

Did the employee sustain a life threatening, life altering or life ending injury?

No



Hazard Not Listed

Was the incident similar to an event that resulted in serious injury or fatality?

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Is it reasonable to believe the exposure ie. Contact, Engulfment, Inhalation, Environmental could have resulted in a serious injury or fatality?

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No

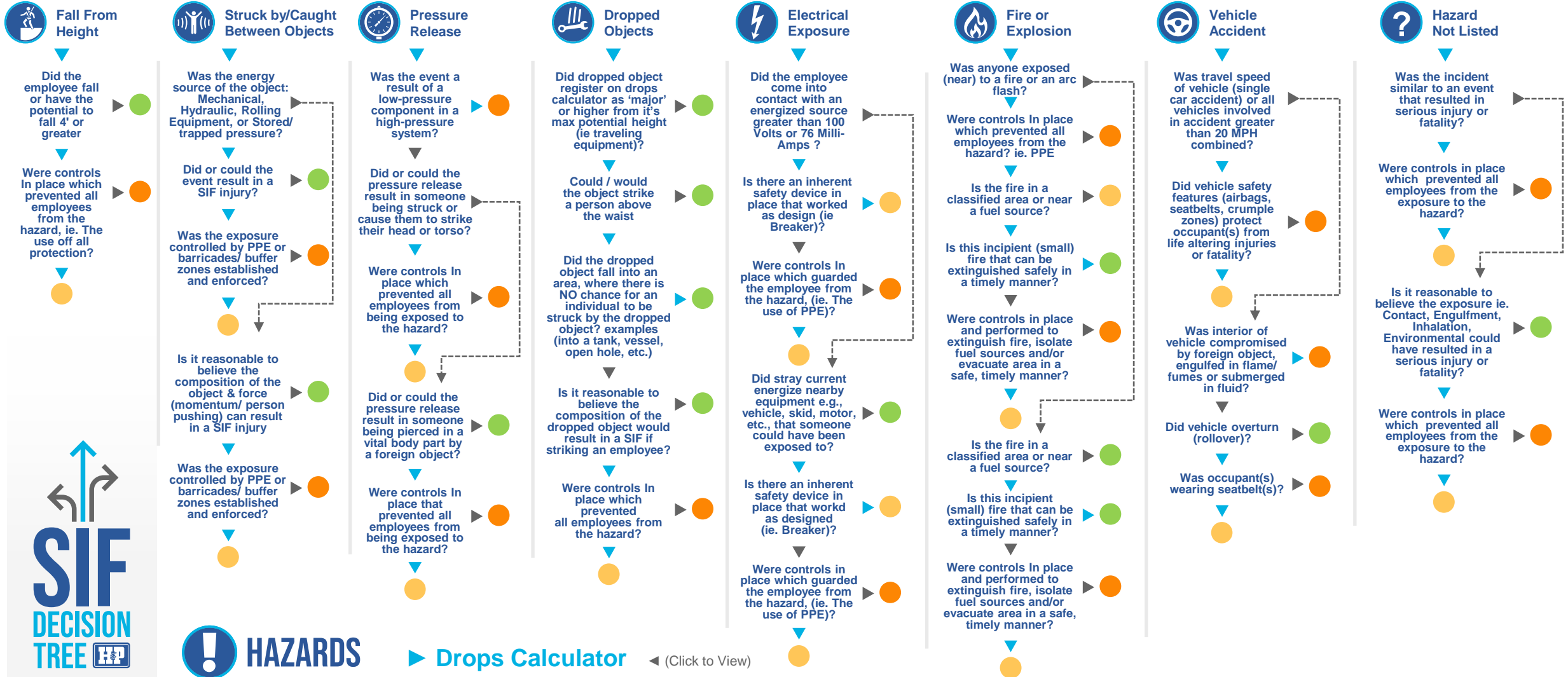
Click here to **START**

Did the employee sustain a life threatening, life altering or life ending injury?



- ▶ Yes
- ▶ No
- SIF Actual
- SIF Potential
- SIF Mitigated
- Not a SIF

Which of the following hazards were associated with the event?



▶ Drops Calculator ◀ (Click to View)