

Equipment Category:

**Access**

Equipment:

**Haulotte HA18PXNT Knuckle Boom**

Subject:

**Inspect Hydraulic/Fuel Hoses and Cables**

Date Released:

**03/07/2015**

Risk Priority Rating:

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**High**

Equipment Reliability - Affected assets to be completed by 1/9/2015

**Information:**

There has been an incident where the main battery cable and a hydraulic hose on a Haulotte HA18PXNT Knuckle Boom have worn through resulting in fire. See Fig. 1, 2, & 3.



Fig. 1: Haulotte HA18PXNT



Fig. 2: Location of the Fire



Fig. 3: Fire Damage



Fig. 4: Fire Damage

**Cause:**

The hydraulic hose and battery cable rubbed together resulting in the outer insulation on both the hydraulic hose and battery cable to wear away exposing the battery cable strands and the metal hydraulic hose braiding. This caused the battery cable to short circuit causing the fire. Due to the high current carried in the battery cable the short circuit severed the battery cable. See Fig. 4.

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**Other Information:**

Haulotte commonly use spiral wrap cable or ties to gather and secure hoses and cables across all product groups. If the spiral wrap or cable ties do not adequately hold the hydraulic/fuel hoses or cable they will rub together and wear through the outer insulation over time.

**Action Required (By Coates):**

1. As soon as possible all Haulotte HA18PXNT Knuckle Booms are to be:
  - i. Inspected to determine if there is wear or damage to the hydraulic/fuel hoses or cables. See example Fig: 5.
  - ii. If there are signs of wear or damage replace hydraulic/fuel hose or cables.
  - iii. Use spiral wrap to provide protection at potential wear points.



**Fig. 5: Wear & Damage**

1. See attached "**Asset Snapshot**" for a list of affected assets and branch location.
2. On completion of work create a **Service Job** in Baseplan for all affected assets as follows:

Baseplan Reason Code:	<b>BU</b>
Baseplan Job Category:	<b>BU-BLTN -C</b>
Baseplan Job Description:	<b>" Hydraulic/Fuel Hoses and Cables Inspected "</b>

3. On completion, a 'Completed Service Issues' sticker must be completed per the "Baseplan Job Description" (see above) and attached near the Sliver Service sticker.
4. Update the Service Bulletin Register on the intranet.

References:  
Aubrey Hopley, National Service Operations Manager - Coates HO  
Robert George, HSEQ Manager - Operations and Transport - Coates HO  
Malcolm McSherry, National Plant Maintenance & Compliance Officer - Coates H.O.

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