



***LH30 LINE HAULER***  
***OPERATIONS MANUAL***



***Professional Equipment for  
the Professional Fisherman***

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## LH30 LINE HAULER

The LH30 Line Hauler has been designed for the retrieval and coiling of snood lines that are attached to monofilament main line. With the correct operation the LH30 can save endless hours of hand pulling and coiling of branch lines.

The Line Hauler is hydraulically driven and the speed, tension and slip of the line is controlled by the hydraulic motor, hauler control manifold and the adjustable idler wheel.

Tension on the line can be adjusted by altering the adjustment link on the rear of the unit.

**Please Note:** This unit is designed to retrieve the short branch lines, because of its purpose; the reel is open and rotating. Care should be taken at all times during its use and specific risk analysis must be in place for accident free operation.

### Features

- Marine Grade Aluminium Frame
- Hydraulic Motor
- Flow Control & Pressure Relief Valve
- Stainless Steel Rollers
- Adjustable Tension Wheel
- Marine Grade Aluminium Wheel
- Stainless Steel Fasteners & Fixings
- Powder Coated

### Specifications

- RPM (max): 600 RPM
- Flow rate: 30 L/PM

## INSTALLATION

The unit is used for the recovery of the branch lines attached to the main line. The best position to install these units is adjacent to the main line recovery station and the branch line bins.

The unit is fixed to a base plate securely attached to the side of the vessel. The hole pattern and base plate are described in the attached general arrangement. Please Note: some installations prefer to have the unit attached to a hinged plate so that the unit can be folded inboard when the vessel is in port, thus preventing damage to the units when the vessel is moored.

Hydraulic lines are connected to the unit as per the directions in the attached hydraulic schematic. The speed is controlled by the flow control valve on the rear of the unit and is adjusted according to the operators ability to control the incoming snudes.

The torque of the unit is factory set, however you can adjust this setting by increasing or decreasing the pressure relief valve located on the rear side of the unit. It is up to the operator to find a satisfactory combination between the torque of the unit and the tension on the idler wheel. The torque of the unit should be set to a pressure that allows the operator to stop the drive wheel by simply applying pressure directly on the wheel .

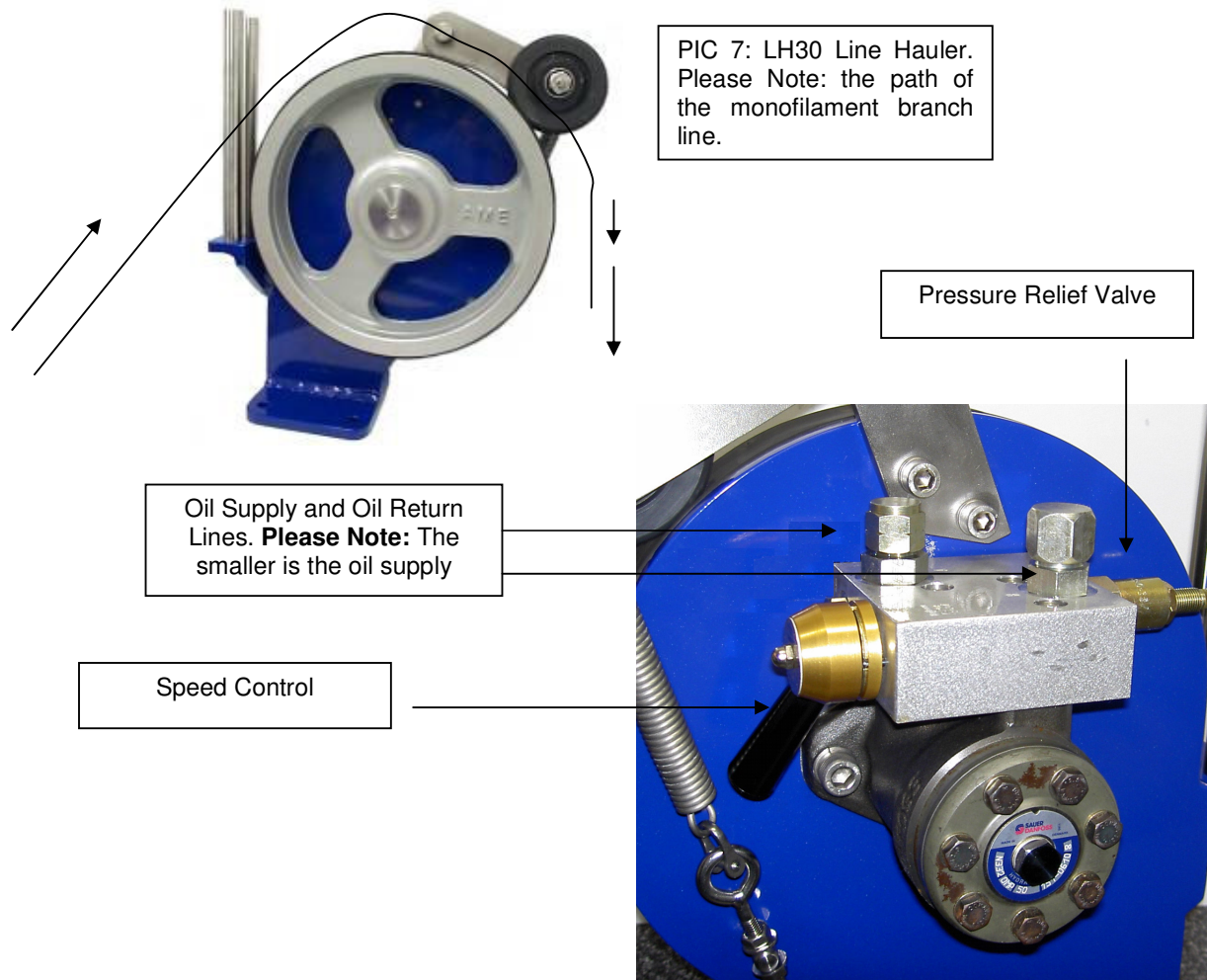


LH30 Line Hauler, Typical Installation

## OPERATING

Ensure that the speed control handle on the line hauler is set to Zero (or Closed, the drive wheel on the hauler should be idle). Direct your flow of oil to the unit. Slowly turn the control handle so that the drive wheel starts turning. It is up to the operator to determine the speed in which he will operate the machine. Once the operator is happy with the speed he can then start to coil and haul the branch lines.

The line is lifted over and dropped between the 2 guide bars mounted on the front of the unit. With one hand take the end of the branch line and feed it between the drive wheel and the idler wheel. With the other hand hold the line firmly in front of the guide bars and control the line coming into the unit. If required the operator should be able to manually stall the machine by applying gradual force in the opposite direction to what the hauler is hauling.



## CLEANING

The line hauler should be washed with fresh water as often as feasible, especially at the end of each trip when it will lay idle for days or weeks. Cleaning with soap and water and wiping off with rags or towels will prevent dirt and grease from getting on the main drive wheel and affecting its ability to grip the line properly.

## ***LUBRICATION***

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The rubber upper idler wheel should be greased daily. Over greasing can push bearing seals out of their retainer grooves and make bearings more susceptible to moisture. Careful greasing will fill the bearing, but will not push the seals out of the retaining grooves.

## ***RUBBER DRIVE ELEMENT (REPLACEMENT)***

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The rubber drive elements are a wearable item that needs periodic replacement. The life of the element will depend on the operator's ability to run the machine with the least amount of tension. Replacement elements should always be kept available for replacement.

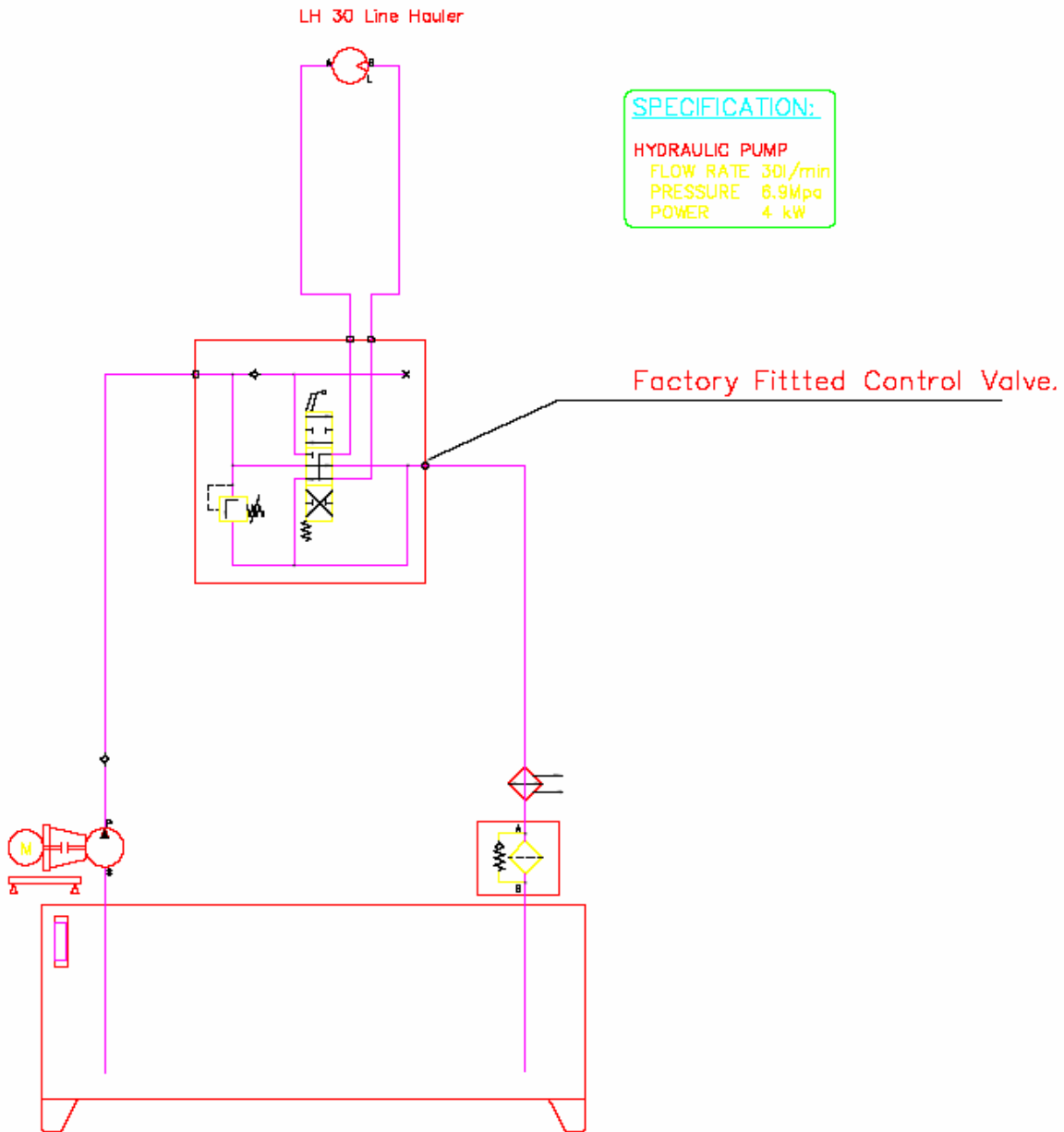
To remove, cut the element perpendicular to the circumference and remove. Wipe the drive wheel off with a clean cloth. Push on a new drive element starting from the top and stretching it down while forcing in on the drive wheel.

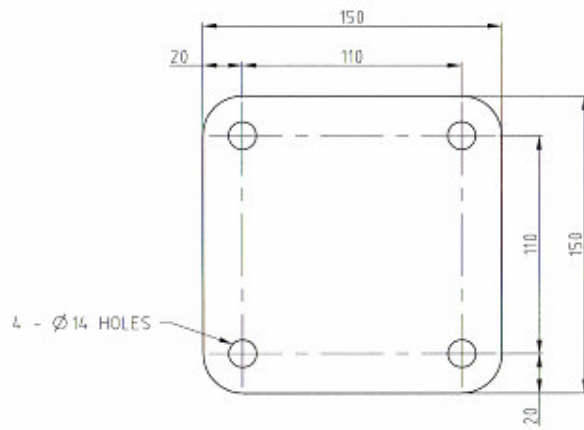
## ***IDLER WHEEL REPLACEMENT***

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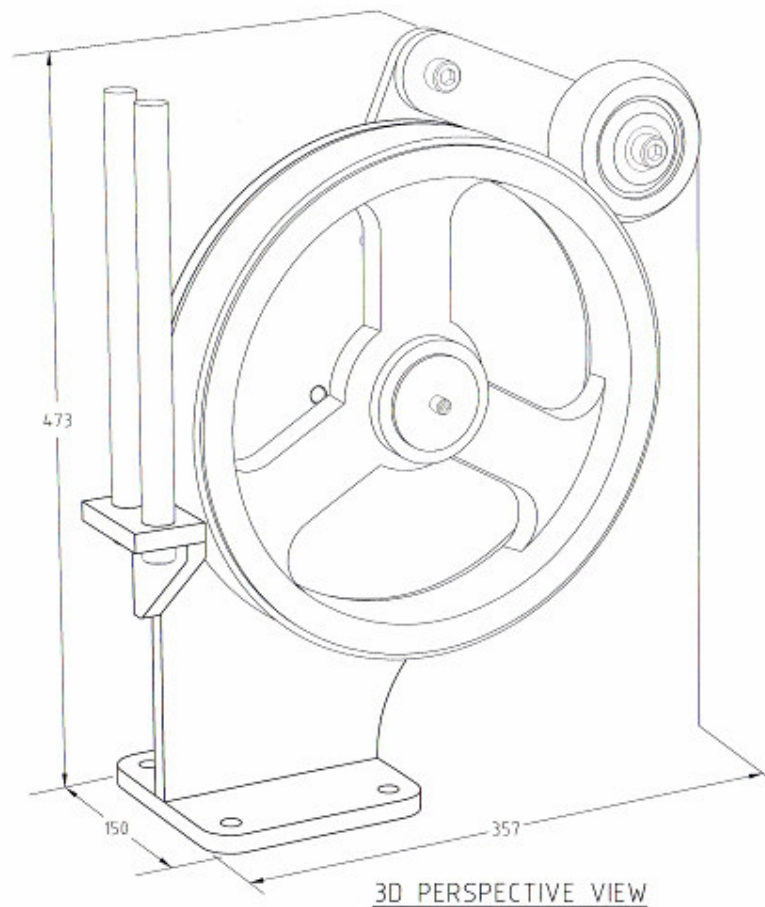
The contact wheel will outlast the drive elements many times. Severe wear can affect the haulers performance and when a deep groove is worn from the monofilament the rubber drive element cannot perform properly and the upper idler contact wheels must be replaced. No special tools or procedure is required for its replacement.

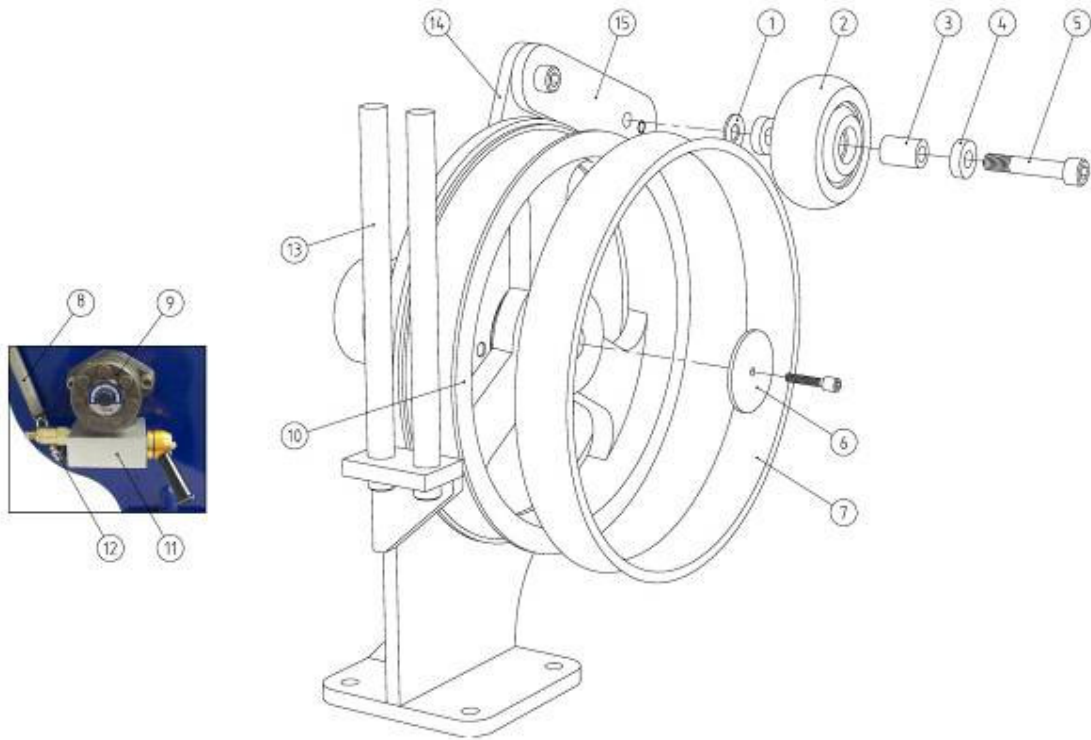
**HYDRAULIC SCHEMATIC**



**LH 30 GENERAL ARRANGEMENT**

BASE BOLT DOWN PATTERN



**LH30 PARTS LIST**

<b>Code</b>	<b>Description</b>	
<b>ASS101</b>	Idler Wheel Bearing Shim	<b>1</b>
<b>ARW101</b>	Idler Wheel	<b>2</b>
<b>ASS102</b>	Idler Wheel Bearing Spacer	<b>3</b>
<b>SR8RS</b>	Idler Wheel S/S Bearing	<b>4</b>
<b>ASN 101</b>	Idler Wheel Pin	<b>5</b>
<b>ASS 103</b>	Drive Wheel Retaining Plate	<b>6</b>
<b>AAW101R</b>	Drive Wheel Rubber Belt	<b>7</b>
<b>ASV173</b>	S/S Tension Spring	<b>8</b>
<b>DMP50A2.25</b>	Danfoss Hydraulic Motor	<b>9</b>
<b>AAW101</b>	Drive Wheel	<b>10</b>
<b>HYT531</b>	Hydraulic Flow Control Valve	<b>11</b>
<b>ASS109</b>	Spring Mount	<b>12</b>
<b>ASH101</b>	Hauler Line Guide Bar	<b>13</b>
<b>ASH102</b>	Hauler Pivot Arm	<b>14</b>
<b>ASH103</b>	Hauler Extension Arm	<b>15</b>