

## YELLOW TASK - Students Instructions: Cursory loop.

Logbooks are a compliance requirement for AS/NZS 5149:2016 (Part 2 - 5.4.3.5 & Part 4 – 4.3.1) most importantly they are a method of communication.

<p><b>1</b></p>	<p><b>Carry out a "cursory loop" of your engine-room and associated equipment</b></p>	<ul style="list-style-type: none"> <li>a) Stay in the vicinity of the group</li> <li>b) Look for hazards</li> </ul>
<p><b>2</b></p>	<p><b>On the next page (pg6) under the example entry write your logbook entry:</b></p>	<p>Ensure you include the following.</p> <ul style="list-style-type: none"> <li>a) The Date   Time   Your Name   Company affiliation   department</li> <li>b) The tasks you completed during the loop – even visual assessments.</li> <li>c) Identify suction and discharge pressure of one compressor.</li> <li>d) Measure the suction temperature and calculate the superheat.</li> <li>e) Measure the discharge temperature and calculate the superheat.</li> <li>f) Identify any oil level in the “wet-side” of the separator.</li> <li>g) Confirm flow on the scavenger return to the compressor from the “dry” side of the oil separator.</li> </ul>
<p><b>3</b></p>	<p><b>Locate three safety related issues.</b></p>	<p><i>Triage Safety as a top priority – if necessary complete a quick risk analysis to quantify what is the highest priority if necessary.</i>  <b><i>Feel free to add sketches.</i></b></p>
<p><b>4</b></p>	<p><b>Sign your name under your entry to make it official – some people use stamps.</b></p>	

12, May  
2020

1300hrs.

Example:

PADRAIC DURHAM, GAUGE REFRIGERATION MANAGEMENT LTD

Completed weekly inspection checklist of plant.  
Cleaned evaporative condenser water filter.  
Emptied shaft seal catchment bottle (500ml)

Common pressures with all loads online:

- LP 20kPa (Compressor @ 100% slide, 80% @ 50Hz)
- Suction superheat 11K
- HP 1060kPa (Condenser fan at 45Hz)
- Discharge superheat 38K

Oil separator level -  $\frac{1}{2}$  upper sightglass, Dry side empty and scavenger line flowing.

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- Urgent corrosion repair needed on common discharge line.
- Small oil leak on filter housing - change filter and gasket next visit?
- Fixed gas detection due for calibration next month

