



Al Kuwait LNC 11558 – Voyage update 2	
Report Dates	21 st – 25 th June
Voyage Days (of total 12)	5 - 8
General health and welfare comments	<p>Sheep traveling well. Sheep respiratory rates have been recorded as slightly increased from normal as environmental temperatures have increased. Deck flooring and bedding is reported as mostly dry with some specific areas having sawdust placed to absorb moisture.</p> <p>Two lambs were born on day 5 of the voyage. Both young mothers were identified in a group of cross bred lambs and moved to hospital pens before lambing. The lambs and mothers are healthy and doing well. These lambs were born to mothers that did not require pregnancy testing ASEL prior to entering quarantine. Feedback is being provided to agents and producers is ongoing.</p>
Deck environmental conditions	<p>Deck temperatures have increased on days 5-8 as approaching and crossing the equatorial region. The maximum deck wet bulb temperature (WBT) recorded was on day 8 with 29°C on one decks, generally 26-28°C on most decks. The maximum WBT experienced on the decks was 1.5°C higher than ambient temperatures (reflecting high pen air turn over). The general trend of temperatures is consistent with expected patterns and forecasts</p> <p>Figure 1: Maximum hourly Logger T_{wb} for Decks 1–8, with the ambient wet bulb temperature also shown.</p>
Mortalities update	<p>14 mortalities reported up to day 8 (0.042% of the 33,341 hd loaded, daily mortality rate of approximately 1 sheep per 20, 000). The veterinary daily records indicate these were due various causes including - pneumonia, infection and injuries.</p>



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Treatments update	17 animals are being actively treated for various different disease processes including pink eye and lameness associated with pre-loading handling activities. A further 53 animals in hospital pens are under close monitoring.
Weather forecasts	Exporter and vessel continue to review updated forecast and meteorological advice to manage the route and risks of heat stress (high WBT and humidity). Current forecast notes; <ul style="list-style-type: none">• Vessel crossed the equator and predicted SW monsoonal activity has stabilised WBT as $\approx 27^{\circ}\text{C}$• The highest risk WBT for the voyage remain from the tip of the Strait of Hormuz to the central Persian Gulf region which could reach $30\text{-}31^{\circ}\text{C}$ for 12-24 hours during the final part of the of the passage.• Temperatures in Kuwait during discharge are forecast to be hot and dry with WBT $\approx 21\text{-}24^{\circ}\text{C}$
Active Voyage Management	Active voyage management meetings are occurring regularly with expert panel input on weather routing, animal physiology and livestock management.

Image taken Day 8 –
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