

Engineering Report 164.1

Engineering Report

Date: 02/22/2016 at 6p.m.

Crew Engineer Name: Louis Maller

Diesel – just under 1/4

Propane – 58

Gasoline (5 Gallon containers for ATV) – 2 full containers

Water (trailer) measured in cm from the bottom– 10in / 42in i.e.
25.4cm/106.6cm

Water (static) measured in cm from the top – 28.7in / 42in i.e.
73cm/106.6cm (est.)

Trailer to Static Pump used – 0in i.e. 0cm

Water (loft) – 9 gallons

Static to Loft Pump used – 29.2 gallons

Water Meter: 104 613.5

Atv # Oil Checked: all ATVs full

Atv # Fuel Used Gals: all ATVs not used

Atv # Tires Status: #3 tires slightly under-inflated; other seem OK

Atv # Hours Used Day: all ATVs not used

Atv # Notes and Comments: ATVs have not been used today, nothing new. We hope they will be repaired soon so we will be able to explore further away from the Hab.

Summary of Engineering activities: Loft tank filled from static tank.

Questions and Concerns to Mission Support:

There hasn't been a measure for the water in the static tank, but we know how much in gallons was pumped into the loft tank (20.2 gal) as we follow precisely our water consumption. Therefore, the new level indicated for the measure in the static tank is an estimation based on the total height and capacity of the static tank.