

Engineering Report 164.9

Engineering Report

Date: 03/01/2016 at 6:30p.m.

Crew Engineer Name: Louis Maller

Diesel – 10%

Propane – 53%

Gasoline (5 Gallon containers for ATV) – 1 full container, one empty
(which was placed in the trailer)

Water (trailer) measured in cm from the bottom– 19in / 42in i.e.
48cm/106.6cm from the bottom (full)

Water (static) measured in cm from the top – 18in / 42in i.e.
45cm/106.6cm from the top (refill scheduled tomorrow)

Trailer to Static Pump used – 21in i.e. 0cm

Water (loft) – 75 liters i.e. 20 gallons

Static to Loft Pump used – 33 gallons i.e. 124 liters

Water Meter: 105 259.1 gallons

Atv # Oil Checked: all ATVs full

Atv # Fuel Used Gals: Some due to today's EVA

Atv # Tires Status: No tire problems

Atv # Hours Used Day: 1h30

Atv # Notes and Comments:

ATV#3 OK

ATV#2 OK

Red Honda OK but has some problems with the gear box according to the
crewmember that used it today

Summary of Engineering activities:

Static tank partly filled from trailer tank: half-filled, it should be
enough for the rest of the EVA

Backpacks : Crew Scientist fixed backpack #1 and is going through
spare parts to maybe build another one

Helmets: Some bubble wrap was put inside the helmets using duct tape

to minimize friction on the head (those helmets really hurt sometimes). It proved both useful and robust during today's EVA.

Questions and Concerns to Mission Support:
None

Cheers,
Louis Maller
Crew Engineer for MDRS Supaero Crew 164