



**Village of Newtok
Service Report of Trip on 12-06-06**

Packed and traveled to Village of Newtok on 12-06-06. Arrived at Anchorage airport at 4:30 a.m. to catch 6:00 flight to Bethal. Delayed due to mechanical problems. Arrived at Bethal at 9:00 a.m. Went to Hageland to catch flight to Newtok. Flew to Newtok via Toksook Bay. Met with David Kassaiule, plant operator, and he showed me around and discussed problems with generators.

Oil leak on #2 generator engine at left front cover. Found steel blanking cover attached to aluminum housing leaking at lower bolt. Removed steel cover and gasket, cleaned gear housing, gasket, and cover plate. Reassembled with RTV. Put RTV on bolt threads as holes are open to crankcase, potentially allowing leakage through bolt threads. Removed sealed hex head plug just above said plate and found existing o-ring brittle and cracked. Removed old o-ring and cleaned plug and reinstalled using new o-ring and RTV. Let set up and test run engine and generator and found no more leaks.

Found turbo oil drain hose to be very hard and extremely brittle. Located spare hose in plant and replaced this hose. Inspect other units and found them to be in good running condition.

Notes:

Machinery is being well maintained and operated, David is doing a good job.

Building structure is on the verge of dilapidation and continuously degrading. Floor is uneven and walls and ceiling are saturated with dirt and oil.

Next summer, when you could take an extended power outage, I would suggest flushing the entire cooling system and replacing all thermostats, gaskets, and coolant.

Mike Witham

Newtok Genset Info

Generator #1

John Deere Model 6068TF001
S/N TO6068T365894
Gen: Marathon Model 431PSL6202
S/N WA-542881-0105
Adaption: 795802-OA-W
100kW DVR2000 regulator
No Hourmeter reading

Generator #2

John Deere Model 6081TF001
S/N RG6081TO83287
Gen: Newage Frame# UCI274E1
Contract #: C990886442
125kW SX460 regulator
No Hourmeter reading

Generator #3

John Deere Model 6081TF001
S/N RG6081T166423
Gen: Marathon Model 431PSL6202
S/N WA-542868-0105
Adaption 795802-OA-W
120kW DVR2000 regulator
10777Hours









