



Jenbacher 1.42MW J420 Generation Equipment Divestment Opportunity

NPS Industrial Power Corp. ("NPS") is a privately held integrated junior oil and natural gas with power generation assets.

NPS is looking to sell one of its surplus Jenbacher JGS 420 power generation packages currently located in Medicine Hat Alberta. The Jenbacher JGS 420 power generation package (Unit #3) has undergone a major overhaul and classified as Grade "B" condition. There are some remaining activities to be completed on the main package which include the installation of the control system and other minor equipment installations on the skid package. The units were packaged by Gas Drive, a division of Enerflex, in 2015. All the remaining equipment has been purchased and is located with the power generation unit. A complete list of remaining activities is detailed below.

Equipment Detail:

Engine	Jenbacher
Engine Type	420
Engine Series	4
Engine Version	B91
Design Number	T830
Engine Serial Number	1168047
Control System Type	XT3
Generator	Stamford
Generator Model	MVSI 804 R
Generator Serial Number	P15J104890
Unit Serial Number	1168046
Commissioning Date	06/12/2016

Additional information relating to the sale of the Jenbacher J420 power generation equipment, associated installed/inventory parts and the original quotation will be provided upon execution of confidentiality agreement.

Contact Information:

Arnie Hansen Phone: (403) 651-7871 Email: ahansen@npsindustrialpower.com

Skid Improvement's, Modifications & Other Information

Removed all piping and pump on aux circuit that feeds combustion air heater above generator. This same circuit feeds the building heaters, and they are removed as well.	Completed
Combustion heater repurposed for additional air movement on "B" Bank. Instead of being directly above generator, it was slid towards "B" bank. This was done to direct additional cooling on B Bank safi rails.	Not Completed
Relocated both prelube motor/pump assembly to A Bank.	Partially Completed
Relocated block heater/pump assembly to B Bank for easier access. Partially completed on this unit.	Completed
Removed accumulators on main, and auxiliary coolant systems. A traditional coolant tank for main and auxiliary systems was mounted on the roof. A bypass will need to be programmed into the panel to see coolant level switches instead of coolant pressure. Partially completed. Both Units have accumulators removed. Only Unit 3 has coolant tank installed on external of roof.	Accumulators removed. Coolant tank installed externally on roof.
Relocated batteries to beside the generator on B Bank. This will increase floor area on both sides of the engine to allow easier access for engine work and better air flow. Laid down grading on both sides of the engine to allow for larger working area. Both Units have battery boxes relocated to beside the generator on B Bank.	New battery cables required to be installed.
Installed and single sheet of aluminum on main building fans to assist in re-directing air inside building.	Completed

Remaining Activities & Parts List – Updated Feb 16th 2024

- 6 12v 8D batteries: Not yet Purchased. Not needed until power up of unit is required.
- 2 12v panel batteries; Not yet Purchased. Not needed until power up of unit is required.
- Techjet (8407-601, 19993957, 471386): On site in Medicine Hat. Not yet installed.
- Amtrol Inc T6339.2C Mfg. ser. No - 15-6459 Size ST30VC 1 Aux Circuit Accumulator:
Main and aux Accumulators are removed as part of the upgrade to buildings. Panel reconfiguration to accept coolant level switches instead of coolant pressure setpoint.
- Main Jacket Accumulators 2 tanks (Reflex Winkelmann GmbH Refix DC -15P070740130) : Main and aux Accumulators are removed as part of the upgrade to buildings. Panel reconfiguration to accept coolant level switches instead of coolant pressure setpoint.
- 1 Dungs fuel shut off Valve.: New one on site but not yet installed.
DMV 5080/632 eco, 1PDK258313S00002039
- Fuel Regulator (MCC spare): Rebuilt regulator on site. Not yet installed.
- 1 set of exhaust blankets: New complete set built by Alamo Industries on site. Not yet installed.
1 Prelube motor -24vdc (Pump - Rickmeier R25/16, 414803, Motor – E. Kretzschmar GPME71/2L, No 597270): Pump and motor on site. Not yet installed or plumbed in in new location. Part of building and package modifications. Instead of in front of unit, under the turbo, this has been relocated to "A" bank between wall and oil filter housing.

- 1 Block heater pump (Grundfos B98434322P214350001): On site but not yet installed. Also relocated with block heater to "B" bank side.
- 1 Block heater: Pump and block heater on site. Not yet installed or plumbed in in new location. Part of building and package modifications. Instead of in front of unit, under the turbo, this has been relocated to "B" bank between wall and engine skid.
- 1 oil level controller (indicator-sight glass): On site. Not yet installed.
- 1 oil level controller with solenoid (1219950 "float operated switch", Elobau 222215-002 28/15): On site but not yet installed.
- 20 secondary leads (Jenbacher P/N 657540): located at Performance Repair shop in Coaldale, Alberta. Not yet installed on unit.
- PLC cards (MCC needs to be assembled): Unknown status. We believe these cards are located at Performance Repair shop.
Wind server (1206214 APC 620 Atom, SP62:220290.004-03, BD740173453): At Performance Repair Shop. Not sure if these are viable.
- Pilz relay block (X2 PNOZ s5, X1 PNOZ s10): Unknown
- Ignition module (Jenbacher MPM P/N 599772 S/N 12317): On location but not installed.
- VFD's for Fans: On site. Need to be installed.
- Honeywell controller (Fan T775U2016): Unknown.
- Block heater contactors (4): Unknown.
- Relays for Contactors: Unknown.
- 2 Wastegate Controllers (Woodward F-Series P/N 8235-621 S/N 21531420 Rev F, Woodward F-Series P/N 8235-620 S/N 21749490 Rev F: Installed. New harness required. All on site. Not yet installed.