

ORDERLY NEGOTIATED SALE

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4- MICON M1500 WIND TURBINES



EQUIPMENT CATALOG

MAAS
companies inc

AUCTION DIVISION

507.285.1444

Rochester, Minnesota

LOT #	MANUFACTURER	ITEM	MODEL	SERIAL NUMBER	DESCRIPTION
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10 – MICON A/S - WIND TURBINE, TOWER MOUNTED: Consisting of but not necessarily limited to:

MICON A/S - WIND TURBINE NACELLE CHASSIS – M1500/ Type 750 12716:

Constructed having Galvanized and Painted Steel Plate Frame, Sheet Steel Side Walls having 3 inch thick (approx) Interior Insulation Material installed; 2- Top Positioned, 80 % (estimated) Full Length, 80% Full Opening, Side Hinged Interior Maintenance Access Door, Doors are Sequenced Opened by 1- Pair (2- each) Electric Motor Powered Leveraged, Screw Jack Opening Devices; 1- Butterfly, Side Hinged, Bottom Positioned Maintenance Access Doors; 1- Jib Crane, constructed from Round Tubular Pipe, mounted inside;

1- MICON Main Bearing, Spherical Roller, Pillow Block Type having Cast Steel Housing; 1- MICON Main Drive Shaft, Alloy Steel; 1- FLENDER Model Peak 4300, s/n 421-501-104-001-2 Combined Planetary Helical Gearbox, P800KW, N1:1,510/min, N2:27.1/min, Oil Cooling via Top Mounted, Exterior, Forced Air, Radiator having Aluminum Core;

1- SIME INDUSTRIE Type/Model 2TWA 36 Blade System Brake, s/n 39067, single Caliper Disc Type having Fail-Safe Hydraulic Release, Mounted on the Output (High Speed) Shaft of the Gearbox AC380, Electrically controlled and activated; 1- ELIN MOTOREN Model MCT-445L21F9Z-9, 750/175 kW Asynchronous, Three Phase, 2- Speed Generator, Imprinted Generator Number 50429195008, 1500/1000 rpm rated Output, Water Jacket Cooled (NOTE: OEM's Data Plate was not found on the Unit);

1- Yaw System, 4- Point Ball Bearing Slewing Ring with Internal Teeth Type, consisting of but not necessarily limited to: 3- Combined Planetary/Helical Yaw Gear Drive Units with Motor Brakes, powered by 3- ELECTRO ADDA 0.37 Kw, 2/1.1, 230/400 v Electric Motors, each driving through a AHG PRODUCTS Type MAS 30/DF Coaxial Gear Box, Flanged mounted in the Vertical Axis to its Motive Motor; 3- MICON Type T-1800 Friction Brakes for Oscillation Dampening, OPTO-ELECTRIC Wind Direction Vane;

1- Lot Electrical Control and Communication Circuitry Components consisting of but not necessarily limited to: 2- Wall Mounted Steel Enclosure Boxes, 1- Steel Enclosure Box Pedestal mounted on the Gear Box, 1- Steel Enclosure Box mounted in the for ward portion of the Nacelle to control the Lights and other Circuits, 1- Intercom System;

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1- Compartment Ventilation Exhaust Fan powered by Electric Motor having Exhaust Venting to the Outside Atmosphere. (NOTE: Stored within the Nacelle of Lot 10 are apparently 3- independent Hydraulic Power Units Consisting of what seems to be 1- each Electric Motor, Hydraulic Fluid Reservoir, Hydraulic Pump, a Quick Disconnect Hose Manifold and a Control Unit. These Units may operate the Pivoting Tip, Tip-Brake Fail Safe Mechanism and thus one each of the Power Units are/should be assigned to Lots - 10, 30 and 50. No Evidence of the Fourth Unit was found by this Set-Up/Inventory Agent.) (NOTE: 1- Electric powered, Geared Chain Hoist was located in the Nacelle of Lot 10. It is believed this a normal and required component of the Nacelle that mounts on the Interior Jib Crane to hoist and lower items utilized in normal and necessary periodic maintenance. No evidence of the Hoist for Lots 30 and 50 were found by this Set-Up/Inventory Agent.)

11 – TOWER: 147.87 ft (approx) (45 m) high, 24- Edge Conical, Crimp Wall, Tubular Tower, Welded Carbon Steel Plate, 4- Sections including 1- Base, 1- Bottom, 1- Middle and 1- Top Sections, Triple Coated Surface Treatment, Corrosion Class: 4, Access includes Internal Ladder, Safety Wire and Safety Cage, 3- Interior Platforms, 2- Interior Secondary Platforms, and Electrical Power, Control and Communication Cabling. (NOTE: Base Section is Galvanized Only Treated.) (NOTE: Reported Height excluded the Base Section Component.) Consisting of but not necessarily limited to the following:

BASE SECTION – Not Available: Consisting of but not necessarily limited to: 1- Base Section, 22 ft 2 in high (approx) x 10 ft 3 in OD (approx) at Bottom - 9 ft 10-3/4 in OD (approx) at Top, 7/8 in (approx) Wall Thickness, 1-5/8 in (approx) Base Flange Thickness with Interior and Exterior Galvanized Wall Surfaces, Exterior Wall Positioned Man-Way Hatch;

BOTTOM SECTION – 12716, # 162: 1- Bottom Section, 39 ft 4-1/2 in high (approx) x 10 ft 0 in OD (approx) at Bottom - 8 ft 8-1/2 in OD (approx) at Top, 9/16 in (approx) Wall Thickness, with Interior and Exterior Galvanized and Painted Wall Surfaces, 30, 865 lbs (approx) Weight;

MIDDLE SECTION – 12716, # 162: 1- Middle Section, 48 ft 3 in high (approx) x 8 ft 9 in OD (approx) at Bottom - 7 ft 1-1/2 in OD (approx) at Top, 9-16in (approx) Wall Thickness, with Interior and Exterior Galvanized and Painted Wall Surfaces, 30,865 lbs (approx) Weight;

TOP SECTION – 12716, # 162: 1- Top Section, 60 ft 3 in high (approx) x 7ft 2-1/2 in OD (approx) at Bottom - 5 ft 6-1/8 in OD (approx) at Top, with Interior and Exterior Galvanized and Painted Wall Surfaces, 30,865 lbs, (approx) Weight.

LOT #	MANUFACTURER	ITEM	MODEL	SERIAL NUMBER	DESCRIPTION
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- 12 – 3- LM GLASSFIBER DENMARK - WIND TURBINE BLADES, GLASSFIBER REINFORCED POLYESTER – Type LM9.1 12716, #A127; 12716, #A128; 12716, #A129: 62.66 ft long (approx) (19.1 m) Blade Profile is FFAW3, NACA 634, Max Cord of 5.41 ft (approx) (1.65m), having MICON Blade Extender attached, constructed from Cast Steel, Blade Leading Edge Vortex Generators, having a 9.51 ft long (approx) (2.9 m) Pivotal Blade Tip Brake. (NOTE: Length not verified.) (NOTE: Due to the heavy growth of sunflowers and other plants which engulfed all the blades, a close inspection of the leading edges and the areas where the Vortex Generators were molded into the Blades was not possible. It is believed, however; that when a close inspection is made possible, substantial damage to most or all of these devices will probably be revealed.)
- 13 – MICON - BLADE HUB – 12716: For attachment of 3- Blades having a Root Diameter of 3.60 ft (approx) (1.1m), constructed from Cast Steel. (NOTE: Root Diameter not verified.)
- 14 – HUB FAIRING: Constructed from Glass-Fiber reinforced Polyester.
- 15 – SOLOMON CORPORATION - TRANSFORMER, OIL FILLED – 1000 KVA 60167: Pad Mounted, 65° C Rise, High Voltage - 12470 Delta 95 KV BIL, Low Voltage -690 Delta 30 KV BIL, 3.47 % Impedance @ 85° C, Class OA, 363 gal Oil Capacity, 8,630 lbs.
- 16 – MICON - POWER CONTROL CABINET – Type M1500-750 87052-954: 690 VAC, 735 amps maximum, 50 Hz, 750 kW, 17 KA, consisting of but not necessarily limited to: 1- MITA-TEKNIK A/S Wind Power 2060 Wind Mill Control System, 1- ABB Model EH700 3- Pole Contact Block, 1- IEC 947-4-1 C60 Mini Circuit Breaker, 220 to 600 kW, SK No. 828-004, having Phase Compensation Type Capacitor Bank with 5- Steps, 3- Phase, Maximum Phase Compensation of 250 kVAR (50- kVAR Each Step), Mounted in a HIMEL Model OL -2000 Floor Standing, 2- Hinged Door, Floor Standing, Metal Cabinet.
- 17 – MICON - POWER CONTROL PANEL AND CONTROL SYSTEM – Type M1500-750- Type WP2000 87052-954: Wall Mounted, 690 VAC, 735 amps, Maximum, 50 Hz, 750 kW, 17 KA, consisting of but not necessarily limited to: 1- MITA-TEKNIK A/S Model TS29 HMI, Display having Microprocessor, Communication Serial Ports of RS232/485 and RS-5V, Automatic Soft Cut-In using 3- Phase Thyristors.
- 18 – LOT: 1- CRATE CONNECTING HARDWARE OF BOLTS, NUTS, WASHERS AND CAP SCREW WEATHERING COVERS: Approximate Crate Dimensions are 3 ft high x 3 ft wide x 54 in long.

LOTS 19-29 ARE UNASSIGNED

LOT #	MANUFACTURER	ITEM	MODEL	SERIAL NUMBER	DESCRIPTION
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30 – MICON A/S - WIND TURBINE, TOWER MOUNTED: Consisting of but not necessarily limited to:

MICON A/S - WIND TURBINE NACELLE CHASSIS – M1500/ Type 750 12710:

Constructed having Galvanized and Painted Steel Plate Frame, Sheet Steel Side Walls having 3 inch thick (approx) Interior Insulation Material installed; 2- Top Positioned, 80 % (estimated) Full Length, 80% Full Opening, Side Hinged Interior Maintenance Access Doors, Doors are Sequenced Opened by 1- Pair (2- each) Electric Motor Powered Leveraged, Screw Jack Opening Devices; 1- Butterfly, Side Hinged, Bottom Positioned Maintenance Access Door; 1- Jib Crane, constructed from Round Tubular Pipe, mounted inside;

1- MICON Main Bearing, Spherical Roller, Pillow Block Type having Cast Steel Housing; 1- MICON Main Drive Shaft, Alloy Steel; 1- FLENDER Model Peak 4300, s/n 421-501-104-001-6 Combined Planetary Helical Gearbox, P800KW, N1:1,510/min, N2:27.1/min, Oil Cooling via Top Mounted, Exterior, Forced Air, Radiator having Aluminum Core;

1- SIME INDUSTRIE Type/Model 2TWA 36 Blade System Brake, s/n 39503, single Caliper Disc Type having Fail-Safe Hydraulic Release, Mounted on the Output (High Speed) Shaft of the Gearbox AC380, Electrically controlled and activated; 1- ELIN MOTOREN Model MCT-445L21F9Z-9, 750/175 kW Asynchronous, Three Phase, 2- Speed Generator, Imprinted Generator Number 50429195003, 1500/1000 rpm rated Output, Water Jacket Cooled (NOTE: OEM's Data Plate was not found on the Unit);

1- Yaw System, 4- Point Ball Bearing Slewing Ring with Internal Teeth Type, consisting of but not necessarily limited to: 3- Combined Planetary/Helical Yaw Gear Drive Units with Motor Brakes, powered by 3- ELECTRO ADDA 0.37 Kw, 2/1.1, 230/400 v Electric Motors, each driving through a AHG PRODUCTS Type MAS 30/DF Coaxial Gear Box, Flanged mounted in the Vertical Axis to its Motive Motor; 3- MICON Type T-1800 Friction Brakes for Oscillation Dampening, OPTO-ELECTRIC Wind Direction Vane;

1- Lot Electrical Control and Communication Circuitry Components consisting of but not necessarily limited to: 2- Wall Mounted Steel Enclosure Boxes, 1- Steel Enclosure Box Pedestal mounted on the Gear Box, 1- Steel Enclosure Box mounted in the for ward portion of the Nacelle to control the Lights and other Circuits, 1- Intercom System;

1- Compartment Ventilation Exhaust Fan powered by Electric Motor having Exhaust Venting to the Outside Atmosphere.

LOT #	MANUFACTURER	ITEM	MODEL	SERIAL NUMBER	DESCRIPTION
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- 31 – TOWER: 147.87 ft (approx) (45 m) high, 24- Edge Conical, Crimp Wall, Tubular Tower, Welded Carbon Steel Plate, 4- Sections including 1- Base, 1- Bottom, 1- Middle and 1- Top Sections, Triple Coated Surface Treatment, Corrosion Class: 4, Access includes Internal Ladder, Safety Wire and Safety Cage, 3- Interior Platforms, 2- Interior Secondary Platforms, and Electrical Power, Control and Communication Cabling. (NOTE: Base Section is Galvanized Only Treated.) (NOTE: Reported Height excluded the Base Section Component.) Consisting of but not necessarily limited to the following:
- BASE SECTION – Not Available: Consisting of but not necessarily limited to: 1- Base Section 22 ft 2 in high (approx) x 10 ft 3 in OD (approx) at Bottom - 9 ft 10-3/4 in OD (approx) at Top, 7/8 in (approx) Wall Thickness, 1-5/8 in (approx) Base Flange Thickness with Interior and Exterior Galvanized Wall Surfaces, Exterior Wall positioned Man-Way Hatch;
- BOTTOM SECTION – 12710, #151: 1- Bottom Section, 39 ft 4-1/2 in high (approx) x 10 ft 0 in OD (approx) at Bottom - 8 ft 8-1/2 in OD (approx) at Top, 9/16 in (approx) Wall Thickness, with Interior and Exterior Galvanized and Painted Wall Surfaces, 30, 865 lbs (approx) Weight;
- MIDDLE SECTION – 12710, #151: 1- Middle Section, 48 ft 3 in high (approx) x 8 ft 9 in OD (approx) at Bottom - 7 ft 1-1/2 in OD (approx) at Top, 9-16in (approx) Wall Thickness, with Interior and Exterior Galvanized and Painted Wall Surfaces, 30,865 lbs (approx) Weight;
- TOP SECTION – 12710, #151: 1- Top Section, 60 ft 3 in high (approx) x 7ft 2-1/2 in OD (approx) at Bottom - 5 ft 6-1/8 in OD (approx) at Top, with Interior and Exterior Galvanized and Painted Wall Surfaces, 30,865 lbs, (approx) Weight.
- 32 – 3- LM GLASSFIBER DENMARK - WIND TURBINE BLADES, GLASSFIBER REINFORCED POLYESTER – Type LM9.1 12710, #A118; 12710, #A119; 12710, #A120: 62.66 ft long (approx) (19.1 m) Blade Profile is FFAW3, NACA 634, Max Cord of 5.41 ft (approx) (1.65m), having MICON Blade Extender attached, constructed from Cast Steel, Blade Leading Edge Vortex Generators, having a 9.51 ft long (approx) (2.9 m) Pivotal Blade Tip Brake. (NOTE: Length not verified.) (NOTE: Due to the heavy growth of sunflowers and other plants which engulfed all the blades, a close inspection of the leading edges and the areas where the Vortex Generators were molded into the Blades was not possible. It is believed, however; that when a close inspection is made possible, substantial damage to most or all of these devices will probably be revealed.)
- 33 – MICON - BLADE HUB – 12710: For attachment of 3- Blades having a Root Diameter of 3.60 ft (approx) (1.1m), constructed from Cast Steel. (NOTE: Root Diameter not verified.)
- 34 – HUB FAIRING: Constructed from Glass-Fiber reinforced Polyester.

LOT #	MANUFACTURER	ITEM	MODEL	SERIAL NUMBER	DESCRIPTION
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35 – SOLOMON CORPORATION - TRANSFORMER, OIL FILLED – 1000 KVA 60166: Pad Mounted, 65° C Rise, High Voltage - 12470 Delta 95 KV BIL, Low Voltage -690 Delta 30 KV BIL, 4.24 % Impedance @ 85° C, Class OA, 363 gal Oil Capacity, 8,630 lbs.

36 – MICON - POWER CONTROL CABINET – Type M1500-750 87052-955: 690 VAC, 735 amps maximum, 50 Hz, 750 kW, 17 KA, consisting of but not necessarily limited to: 1- MITA-TEKNIK A/S Wind Power 2060 Wind Mill Control System, 1- ABB Model EH700 3- Pole Contact Block, 1- IEC 947-4-1 C60 Mini Circuit Breaker, 220 to 600 kW, SK No. 828-004, having Phase Compensation Type Capacitor Bank with 5- Steps, 3- Phase, Maximum Phase Compensation of 250 kVAR (50- kVAR Each Step), Mounted in a HIMEL Model OL -2000 Floor Standing, 2- Hinged Door, Floor Standing, Metal Cabinet.

37 – MICON - POWER CONTROL PANEL AND CONTROL SYSTEM – Type M1500-750- Type WP2000 87052-955: Wall Mounted, 690 VAC, 735 amps, Maximum, 50 Hz, 750 kW, 17 KA, consisting of but not necessarily limited to: 1- MITA-TEKNIK A/S Model TS29 HMI, Display having Microprocessor, Communication Serial Ports of RS232/485 and RS-5V, Automatic Soft Cut-In using 3- Phase Thyristors.

38 – LOT: 1- CRATE CONNECTING HARDWARE OF BOLTS, NUTS, WASHERS AND CAP SCREW WEATHERING COVERS: Approximate Crate Dimensions are 3 ft high x 3 ft wide x 54 in long.

LOTS 39-49 ARE UNASSIGNED

50 – MICON A/S - WIND TURBINE, TOWER MOUNTED: Consisting of but not necessarily limited to:

MICON A/S - WIND TURBINE NACELLE CHASSIS – M1500/ Type 750 12578:

Constructed having Galvanized and Painted Steel Plate Frame, Sheet Steel Side Walls having 3 inch thick (approx) Interior Insulation Material installed; 2- Top Positioned, 80 % (estimated) Full Length, 80% Full Opening, Side Hinged Interior Maintenance Access Door, Doors are Sequenced Opened by 1- Pair (2- each) Electric Motor Powered Leveraged, Screw Jack Opening Devices; 1- Butterfly, Side Hinged, Bottom Positioned Maintenance Access Doors; 1- Jib Crane, constructed from Round Tubular Pipe, mounted inside;

1- MICON Main Bearing, Spherical Roller, Pillow Block Type having Cast Steel Housing; 1- MICON Main Drive Shaft, Alloy Steel; 1- FLENDER Model Peak 4300, s/n 421-501-104-001-9 Combined Planetary Helical Gearbox, P800KW, N1:1,510/min, N2:27.1/min, Oil Cooling via Top Mounted Exterior, Forced Air, Radiator having Aluminum Core;

LOT #	MANUFACTURER	ITEM	MODEL	SERIAL NUMBER	DESCRIPTION
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- 1- SIME INDUSTRIE Type/Model 2TWA 36 Blade System Brake, s/n 30020, single Caliper Disc Type having Fail-Safe Hydraulic Release, Mounted on the Output (High Speed) Shaft of the Gearbox AC380, Electrically controlled and activated;
 - 1- ELIN MOTOREN Model MCT-445L21F9Z-9, 750/175 kW Asynchronous, Three Phase, 2- Speed Generator, Number 50429195016, 1500/1000 rpm rated Output, Water Jacket Cooled (NOTE: OEM's Data Plate was not found on the Unit);
 - 1- Yaw System, 4- Point Ball Bearing Slewing Ring with Internal Teeth Type, consisting of but not necessarily limited to: 3- Combined Planetary/Helical Yaw Gear Drive Units with Motor Brakes, powered by 3- ELECTRO ADDA 0.37 Kw, 2/1.1, 230/400 v Electric Motors, each driving through a AHG PRODUCTS Type MAS 30/DF Coaxial Gear Box, Flanged mounted in the Vertical Axis to its Motive Motor; 3- MICON Type T-1800 Friction Brakes for Oscillation Dampening, OPTO-ELECTRIC Wind Direction Vane;
 - 1- Lot Electrical Control and Communication Circuitry Components consisting of but not necessarily limited to: 2- Wall Mounted Steel Enclosure Boxes, 1- Steel Enclosure Box Pedestal mounted on the Gear Box, 1- Steel Enclosure Box mounted in the for ward portion of the Nacelle to control the Lights and other Circuits, 1- Intercom System;
 - 1- Compartment Ventilation Exhaust Fan powered by Electric Motor having Exhaust Venting to the Outside Atmosphere.
- 51 – TOWER: 147.87 ft (approx) (45 m) high, 24- Edge Conical, Crimp Wall, Tubular Tower, Welded Carbon Steel Plate, 4- Sections including 1- Base, 1- Bottom, 1- Middle and 1- Top Sections, Triple Coated Surface Treatment, Corrosion Class: 4, Access includes Internal Ladder, Safety Wire and Safety Cage, 3- Interior Platforms, 2- Interior Secondary Platforms, and Electrical Power, Control and Communication Cabling. (NOTE: Base Section is Galvanized Only Treated.) (NOTE: Reported Height excluded the Base Section Component.) Consisting of but not necessarily limited to the following:
- BASE SECTION – Not Available: Consisting of but not necessarily limited to: 1- Base Section, 22 ft 2 in high (approx) x 10 ft 3 in OD (approx) at Bottom - 9 ft 10-3/4 in OD (approx) at Top, 7/8 in (approx) Wall Thickness, 1-5/8 in (approx) Base Flange Thickness with Interior and Exterior Galvanized Wall Surfaces, Exterior Wall positioned Man-Way Hatch;
 - BOTTOM SECTION – 12578, #149: 1- Bottom Section, 39 ft 4-1/2 in high (approx) x 10 ft 0 in OD (approx) at Bottom - 8 ft 8-1/2 in OD (approx) at Top, 9/16 in (approx) Wall Thickness, with Interior and Exterior Galvanized and Painted Wall Surfaces, 30, 865 lbs (approx) Weight;

LOT #	MANUFACTURER	ITEM	MODEL	SERIAL NUMBER	DESCRIPTION
		MIDDLE SECTION – 12578, #149:	1- Middle Section,	48 ft 3 in high (approx) x 8 ft 9 in OD (approx) at Bottom - 7 ft 1-1/2 in OD (approx) at Top, 9-16in (approx) Wall Thickness, with Interior and Exterior Galvanized and Painted Wall Surfaces, 30,865 lbs (approx) Weight;	
		TOP SECTION – 12578, #149:	1- Top Section,	60 ft 3 in high (approx) x 7ft 2-1/2 in OD (approx) at Bottom - 5 ft 6-1/8 in OD (approx) at Top, with Interior and Exterior Galvanized and Painted Wall Surfaces, 30,865 lbs, (approx) Weight.	
52 – 3-	LM GLASSFIBER DENMARK	WIND TURBINE BLADES, GLASSFIBER REINFORCED POLYESTER – Type LM9.1	12578; #A112; 12578, #A113; 12578, #A114:	62.66 ft long (approx) (19.1 m) Blade Profile is FFAW3, NACA 634, Max Cord of 5.41 ft (approx)(1.65m), having MICON Blade Extender attached, constructed from Cast Steel, Blade Leading Edge Vortex Generators, having a 9.51 ft long (approx) (2.9 m) Pivotal Blade Tip Brake. (NOTE: Length not verified.) (NOTE: Due to the heavy growth of sunflowers and other plants which engulfed all the blades, a close inspection of the leading edges and the areas where the Vortex Generators were molded into the Blades was not possible. It is believed, however; that when a close inspection is made possible, substantial damage to most or all of these devices will probably be revealed.)	
53 –	MICON	BLADE HUB – 12578:	For attachment of 3- Blades having a Root Diameter of 3.60 ft (approx) (1.1m), constructed from Cast Steel. (NOTE: Root Diameter not verified.)		
54 –	HUB FAIRING:	Constructed from Glass-Fiber reinforced Polyester.			
55 –	SOLOMON CORPORATION	TRANSFORMER, OIL FILLED – 1000 KVA 60164:	Pad Mounted, 65° C Rise, High Voltage - 12470 Delta 95 KV BIL, Low Voltage -690 Delta 30 KV BIL, 3.53 %, Class OA, 321 gal Oil Capacity, 7,938 lbs.		
56 –	MICON	POWER CONTROL CABINET – Type M1500-750 87052-964 (12733):	690 VAC, 735 amps maximum, 50 Hz, 750 kW, 17 KA, consisting of but not necessarily limited to: 1- MITA-TEKNIK A/S Wind Power 2060 Wind Mill Control System, 1- ABB Model EH700 3- Pole Contact Block, 1- IEC 947-4-1 C60 Mini Circuit Breaker, 220 to 600 kW, SK No. 828-004, having Phase Compensation Type Capacitor Bank with 5- Steps, 3- Phase, Maximum Phase Compensation of 250 kVAR (50- kVAR Each Step), Mounted in a HIMEL Model OL -2000 Floor Standing, 2- Hinged Door, Floor Standing, Metal Cabinet.		
57 –	MICON	POWER CONTROL PANEL AND CONTROL SYSTEM – Type M1500-750- Type WP2000 87052-964:	Wall Mounted, 690 VAC, 735 amps, Maximum, 50 Hz, 750 kW, 17 KA, consisting of but not necessarily limited to: 1- MITA-TEKNIK A/S Model TS29 HMI, Display having Microprocessor, Communication Serial Ports of RS232/485 and RS-5V, Automatic Soft Cut-In using 3- Phase Thyristors.		

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58 – LOT: 1- CRATE CONNECTING HARDWARE OF BOLTS, NUTS, WASHERS AND CAP SCREW WEATHERING COVERS: Approximate Crate Dimensions are 3 ft high x 3 ft wide x 54 in long.

LOTS 59-69 ARE UNASSIGNED

70 – MICON A/S - WIND TURBINE, TOWER MOUNTED: Consisting of but not necessarily limited to:

MICON A/S - WIND TURBINE NACELLE CHASSIS – M1500/ Type 750 12709:

Constructed having Galvanized and Painted Steel Plate Frame, Sheet Steel Side Walls having 3 inch thick (approx) Interior Insulation Material installed; 2- Top Positioned, 80 % (estimated) Full Length, 80% Full Opening, Side Hinged Interior Maintenance Access Door, Doors are Sequenced Opened by 1- Pair (2- each) Electric Motor Powered Leveraged, Screw Jack Opening Devices; 1- Butterfly, Side Hinged, Bottom Positioned Maintenance Access Doors; 1- Jib Crane, constructed from Round Tubular Pipe, mounted inside.

1- MICON Main Bearing, Spherical Roller, Pillow Block Type having Cast Steel Housing; 1- MICON Main Drive Shaft, Alloy Steel; 1- FLENDER Model Peak 4300, s/n 421-501-104-001-9 Combined Planetary Helical Gearbox, P800KW, N1:1,510/min, N2:27.1/min, Oil Cooling via Top Mounted Exterior, Forced Air, Radiator having Aluminum Core;

1- SIME INDUSTRIE Type/Model 2TWA 36 Blade System Brake, s/n 30020, single Caliper Disc Type having Fail-Safe Hydraulic Release, Mounted on the Output (High Speed) Shaft of the Gearbox AC380, Electrically controlled and activated; 1- ELIN MOTOREN Model MCT-445L21F9Z-9, 750/175 kW Asynchronous, Three Phase, 2- Speed Generator, Number 50429195016, 1500/1000 rpm rated Output, Water Jacket Cooled. (NOTE: OEM's Data Plate was not found on the Unit.)

1- Yaw System, 4- Point Ball Bearing Slewing Ring with Internal Teeth Type, consisting of but not necessarily limited to: 3- Combined Planetary/Helical Yaw Gear Drive Units with Motor Brakes, powered by 3- ELECTRO ADDA 0.37 Kw, 2/1.1, 230/400 v Electric Motors, each driving through a AHG PRODUCTS Type MAS 30/DF Coaxial Gear Box, Flanged mounted in the Vertical Axis to its Motive Motor; 3- MICON Type T-1800 Friction Brakes for Oscillation Dampening, OPTO-ELECTRIC Wind Direction Vane.

1- Lot Electrical Control and Communication Circuitry Components consisting of but not necessarily limited to: 2- Wall Mounted Steel Enclosure Boxes, 1- Steel Enclosure Box Pedestal mounted on the Gear Box, 1- Steel Enclosure Box mounted in the forward portion of the Nacelle to control the Lights and other Circuits, 1- Intercom System;

1- Compartment Ventilation Exhaust Fan powered by Electric Motor having Exhaust Venting to the Outside Atmosphere.

9 of 12

LOT #	MANUFACTURER	ITEM	MODEL	SERIAL NUMBER	DESCRIPTION
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(NOTE: This Subject Nacelle was dropped during the process of being loaded onto a Truck and Trailer Rig. The Extent of Mechanical Damage, if any, has not been determined.) (NOTE: 1- Electric-Powered, Geared Chain Hoist may be located in the Nacelle.)

71 – TOWER: 147.87 ft (approx) (45 m) high, 24- Edge Conical, Crimp Wall, Tubular Tower, Welded Carbon Steel Plate, 4- Sections including 1- Base, 1- Bottom, 1- Middle and 1- Top Sections, Triple Coated Surface Treatment, Corrosion Class: 4, Access includes Internal Ladder, Safety Wire and Safety Cage, 3- Interior Platforms, 2- Interior Secondary Platforms, and Electrical Power, Control and Communication Cabling. (NOTE: Base Section is Galvanized Only Treated.) (NOTE: Reported Height excluded the Base Section Component.) Consisting of but not necessarily limited to the following:

BASE SECTION – Not Available: Consisting of but not necessarily limited to: 1- Base Section, 22 ft 2 in high (approx) x 10 ft 3 in OD (approx) at Bottom - 9 ft 10-3/4 in OD (approx) at Top, 7/8 in (approx) Wall Thickness, 1-5/8 in (approx) Base Flange Thickness with Interior and Exterior Galvanized Wall Surfaces, Exterior Wall positioned Man-Way Hatch;

BOTTOM SECTION – 12709, #153: 1- Bottom Section, 39 ft 4-1/2 in high (approx) x 10 ft 0 in OD (approx) at Bottom - 8 ft 8-1/2 in OD (approx) at Top, 9/16 in (approx) Wall Thickness, with Interior and Exterior Galvanized and Painted Wall Surfaces, 30, 865 lbs (approx) Weight;

MIDDLE SECTION – 12709, #153: 1- Middle Section, 48 ft 3 in high (approx) x 8 ft 9 in OD (approx) at Bottom - 7 ft 1-1/2 in OD (approx) at Top, 9-16in (approx) Wall Thickness, with Interior and Exterior Galvanized and Painted Wall Surfaces, 30,865 lbs (approx) Weight;

TOP SECTION – 12709, #153: 1- Top Section, 60 ft 3 in high (approx) x 7ft 2-1/2 in OD (approx) at Bottom - 5 ft 6-1/8 in OD (approx) at Top, with Interior and Exterior Galvanized and Painted Wall Surfaces, 30,865 lbs, (approx) Weight.

72 – 3- LM GLASSFIBER DENMARK - WIND TURBINE BLADES, GLASSFIBER REINFORCED POLYESTER – Type LM9.1 12709, #A121; 12709, #A122; 12709, #A123: 62.66 ft long (approx) (19.1 m) Blade Profile is FFAW3, NACA 634, Max Cord of 5.41 ft (approx) (1.65m), having MICON Blade Extender attached, constructed from Cast Steel, Blade Leading Edge Vortex Generators, having a 9.51 ft long (approx) (2.9 m) Pivotal Blade Tip Brake. (NOTE: Length not verified.) (NOTE: Due to the heavy growth of sunflowers and other plants which engulfed all the blades, a close inspection of the leading edges and the areas where the Vortex Generators were molded into the Blades was not possible. It is believed, however; that when a close inspection is made possible, substantial damage to most or all of these devices will probably be revealed.)

73 – MICON - BLADE HUB – 12709: For attachment of 3- Blades having a Root Diameter of 3.60 ft (approx) (1.1m), constructed from Cast Steel. (NOTE: Root Diameter not verified.)

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LOT #	MANUFACTURER	ITEM	MODEL	SERIAL NUMBER	DESCRIPTION
74		HUB FAIRING:			Constructed from Glass-Fiber reinforced Polyester.
75	SOLOMON CORPORATION	TRANSFORMER, OIL FILLED			– 1000 KVA 60165: Pad Mounted, 65° C Rise, High Voltage - 12470 Delta 95 KV BIL, Low Voltage -690 Delta 30 KV BIL, 4.16 %, Class OA, 418 gal Oil Capacity, 8,894 lbs.
76		UNASSIGNED			
77	MICON	POWER CONTROL PANEL AND CONTROL SYSTEM			– Type M1500-750- Type WP2000 87052-951: Lot 52 - Eastern-most Blade: Apparently Damage is located 4 ft (approx) inboard of the Brake Tip/Main Blade Separation Joint, 6 in long x 3/4 in deep (approx).
78		LOT: 1- CRATE CONNECTING HARDWARE OF BOLTS, NUTS, WASHERS AND CAP SCREW WEATHERING COVERS:			Approximate Crate Dimensions are 3 ft high x 3 ft wide x 54 in long.

ADDITIONAL INFORMATION

NOTE: The On-Site Inspection, Listing and Cataloging efforts revealed that all of the Subject Wind Turbine Blades, 12- Blades total, which were stored at this location had suffered damage to their Trailing Edges, generally in the Region from 9 ft 6 in to 14 ft inboard from the Blade Tip. This visible apparent damage and it's extent is summarized below by Blade Lot Number and position as stored in the Yard. It should be noted that the Description of Damage to each Blade is general in Nature. Any future more Detailed Inspection will find variances in Specific Cases.

Lot 12 - Third Blade to the East, from the West Side: Apparent Damaged Area is 1- small 1 in long (approx) Chip.

Lot 12 - Fifth Blade to the East from the West Side: 1- small 1/2 in long (approx) chip on the Feathering portion of the Blade Tip.

Lot 12 - Sixth Blade to the East from the West Side: Apparently Damage is in 2- Sections - 1- is 9 in to 10 in long (approx), Approximately 3 ft inboard from the Blade Tip; 1- Section is 15 in long (approx) and 1 in deep (approx).

Lot 32 - Second Blade on the East , Sequenced from the West Side: Apparent Damaged Area extends over an Area approximately 3 ft long, concentrated in 2- different Areas .

Lot 32 - Fourth Blade to the East from the West Side: Apparent Damaged Area is 1- small 1/2 in long (approx) Chip.

LOT #	MANUFACTURER	ITEM	MODEL	SERIAL NUMBER	DESCRIPTION
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Lot 32 - Fourth Blade to the West, sequenced from the East Side: Apparent Damaged Areas are 2- Sections: 1- in the Tip Brake Section 3 in long x 1/2 in deep (approx) and 1- 4 ft (approx) inboard from the Brake Tip Separation Joint 8 in long x 3/8 in deep (approx) and 1- Area 2 in long x 1 in deep (approx).

Lot 52 - First Blade on the West Side of the Storage Yard: Damaged area approximately 6 in long;

Lot 52 - Second Blade to the West from the East Side: apparent Damage Area is located 4 ft (approx) inboard from the Brake Tip/Main Blade

Lot 72 - Seventh Blade to the East from the West Side: Apparent Damage Area is in 3- Sections, each 6 in (approx) apart. 1- is 6 in long x 3-1/2 in deep (approx); 1- is 7 in long x 1 in deep (approx, 1- is 2 in long x 2 in deep (approx) and decidedly rounded in shape.

Lot 72 - Eighth Blade to the East from the West Side: Apparent Damage Area consists of 3- Sections: 2- in the Tip Brake Section 2 in long x 1 in deep (approx) and 3 in long x 1 in deep (approx); 2- in the Main Blade Portion being 2 in long x 1 in deep (approx) and 1- 6 in inboard from the Brake Tip Separation Joint 13 in long x 2 in deep (approx).

Lot 72 - Third Blade to the West sequenced from the East Side: Apparent Damage Area is in 3- Sections: 1- 3 in long x 1/2 in deep (approx) at about the half-way point of the Brake Tip Section; 1- 1 in long x 1/4 in deep (approx) 3 ft (approx) inboard from the Blade Tip; 1- Chipped Section at the Separation Point of the Brake Tip/Main Blade and 1- 5 ft (approx) inboard from the Brake Tip/Main Blade Separation Joint 1 ft long x 3 in deep (approx) (NOTE: This is a big Chip broken completely away from the Blade Structure and held in place by a Metal Clip that is Press fitted over and along the trailing edge of the Blade.)