

## BILL OF MATERIALS

**COMPANY NAME: NATIONAL COAL CORPORATION**  
**PMS JOB NO.: 35703**

SERIAL NUMBER JM4440A	MODEL NUMBER 14CM10-11AAX
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MSHA APPROVAL NUMBER 2G334A-02	STE NUMBER 5003176	VOLTAGE 950VAC
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QTY	PART NUMBER	DESCRIPTION	REFERENCE DRAWING	SH NO
		<b>GENERAL GROUP</b>		
		CAUTION STATEMENT	IL000046 0000	01
		GENERAL ARRANGEMENT	JCM00760 0124	01
		GREASE SPECIFICATION CHART	SK025318 0000	01
		HYDRAULIC OIL SPECIFICATION CHART	SK025318 0001	01
		TRANSMISSION OIL SPECIFICATION CHART	SK025318 0004	01-02
		VALVES, TORQUE, CAP SCREWS	SK024122 0000	01
		SEAL INSTALLATION INSTRUCTION	SK021855 0000	01
		PRECAUTIONS FOR USERS OF JOY CHAIN PRODUCTS	SK064073 0000	01
		BIT INFO FOR VARIOUS JOY MINERS	SK024544 0001	01
		LIFTING & BLOCKING INSTRUCTIONS 14CM	JCM00832 0004	01
		LIST, TRAILING CABLE, APPROVED (14CM) (950V)	SK025502 0003	01
		<b>ELECTRICAL GROUP</b>		
1	5000002444 00	DIAGRAM, WIRING, MACHINE (CIRCUIT, 950V, 60HZ)	5000002444 00	01-05
1	ED001047 0000	TERMINAL CONNECTIONS	ED001047 0000	01
1		CRIMP-ON CONNECTORS AND TOOLING	SK025273 0002	01
1		CONTROL WIRE SPLICES	SK024404 0000	01
1		CABLE GLAND ACCESSORIES, 14CM	CGA01000 0000	01-02
1	00700016 1134	EQUIPMENT, ELECTRICAL (STRAIGHT GLAND) (EMERGENCY STOP SWITCHES IN SERIES) (DUAL CONVEYOR DRIVE) (NO ONBOARD OPERATOR'S AREA)	JCM000841 0084	01
1	00571631 0010	CONNECTION BOX ASSEMBLY	00571631 0010	01
1		DUAL 6SCR SYSTEM 2 TROUBLESHOOTING CHART	SK024299 0023	01
1	00500184 4339	CONTROLLER, TRACTION (950V / 60HZ) (SYSTEM II DRIVE)	00500184 4339	01-02
1	00500523 2595	PANEL, CONTROL	00500523 2595	01
1	00703412 0895	CABLE GLAND ACCESSORIES, 14CM	CGA01000 0000	01

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<b>ELECTRICAL GROUP (CONTINUED)</b>				
1	00720001 0151	ACCESS., GLAND, CABLE, CONTROLLER, TRACTION (950 VOLT)	JCM00875 0060	01
1	00500184 4023	CONTROLLER, R.H. 950V (DUAL CONVEYOR DRIVE)	00500184 4023	01
1	00500523 2534	PANEL, CONTROL	00500523 2534	01
1	00601878 0004	VACUUM CONTACTOR	00601878 0004	01
1	00703412 0875	CABLE GLAND ACCESSORIES, 14CM	CGA01000 0000	01
1	00703412 0875	CABLE GALND ACCESSORIES, R.H. CONTROLLER	JCM00875 0000	01
1	00500183 0669	STATION, MASTER	00500183 0669	01
1	00703412 0915	CABLE GLAND ACCESSORIES, 14CM	CGA01000 0000	01-02
1		KIT, GLAND, CABLE, MASTER STATION	JCM00875 0005	01
1	00703502 0357	INDICATOR, LOW HYDRAULIC OIL, LIGHT (14CM WITH TUBE STYLE FRAME) (WITHOUT SHUT-OFF)	SK025221 0549	01
1	007034757 0024	LINKAGE, BREAKER, CIRCUIT (14CM WITH NO ONBOARD OPERATOR'S AREA) (PUSH-PULL CABLE AND MANUAL RESET FOR TRACTION ONLY) (MANUAL RESET FOR CUTTER)	JCM00720 0026	01
1	00500524 0211	SWITCH, EMERGENCY STOP	00500524 0189	01
1	00500524 0191	CONTROL STATION	00500524 0189	01
1	00500524 0211	CONTROL STATION	00500524 0189	01
1	00600128 0711	JOY 20B350J MOTOR (METRIC)	00600128 0711	01
1	00600128 0647	JOY 7CA350J MOTOR	00600128 0647	01
1	00600457 0012	JOY 10EB250J MOTOR	00600457 0012	01
1	00600510 0001	JOY 48J9 MOTOR	00600510 0001	01
1	00600427 0007	RELIANCE MOTOR (X215TCZ FRAME)	00600427 0006	01
1	00720066 0209	CONTROL, REMOTE, CABLE, SYSTEM (14CM WITH BATTERY BACK-UP FOR FIRE SUPPRESSION) (NO ONBOARD OPERATOR'S AREA)	SK025431 0198	01
1	00720066 0209	CONTROL, REMOTE, CABLE, SYSTEM (POWER CENTER TRIP) (EMERGENCY STOP OVERRIDE)	SK025431 0208	01-02
1	00500183 0581	BOX, CONTROL (BATTERY BACK-UP)	00500183 0581	01
1	00500523 1935	RESISTOR PANEL ASSEMBLY	00500523 1935	01
1	00570452 0029	CABLE ASSEMBLY	00570452 0029	01
1	00570452 0099	CABLE ASSEMBLY	00570452 0099	01
1	00570452 0132	CABLE, ASSEMBLED	00570452 0132	01
1	00720066 0119	CONTROL, REMOTE, MOUNTING, SYSTEM (14CM WITH BATTERY BACK-UP FOR FIRE SUPPRESSION) (20 INCH CHAIN WIDTH)	SK025431 0098	01
1	00720637 0001	LABELS, STATION, REMOTE	SK025574 0001	01
1	00703500 7486	PARTS REQUIRED TO CONVERT TONE S.D.R.C. TO RADIO S.D.R.C.	SK025221 0254	01

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<b>ELECTRICAL GROUP (CONTINUED)</b>				
1	00570452 0059	CABLE ASSEMBLY	00570452 0051	01
1	00601843 0015	RADIO TRANSMITTER CABLE	00601843 0015	01
1	00570452 0051	CABLE ASSEMBLY	00570452 0051	01
1		REMOTE CONTROL TROUBLESHOOTING CHART	SK024299 0021	01
1	00720204 0198	MOUNTING, MONITOR, METHANE (CSE 140B MONITOR SYSTEMS)	SK025417 0160	01
1	00720204 0154	MOUNTING, MONITOR, METHANE (CSE 140BLD READOUT)	SK025417 0241	01
1	00703502 0245	PARTS REQ'D TO EQUIP 14CM 9/10/12/14/15 W/CUTTER CONVEYOR HOURMETERS IN MASTER STATION WITH NO ONBOARD OPERATOR) (440/550/950)	SK025221 0490	01
1	00703502 0035	PARTS REQ'D TO INSTALL AMMETERS FOR CUTTER AND CONVEYOR MOTORS ON 14CM (950V) (DUAL CONVEYOR DRIVE)	SK025221 0452	01
1		ILLUMINATION SYSTEM (MCI)	STE 5003176	
1	00720112 0075	COLLECTOR, DUST (13 HP FAN) (GROMMET GLANDS)	SK025429 0068	01
1	00572065 0157	INSTRUCTIONS FOR PREPARING GLAND ASSEMBLIES	SK025529 0001	01
1	00601505 0097	RELAY	00601505 0097	01
1	00571631 0001	CONNECTION BOX ASSEMBLY	00571631 0001	01
1	00700049 0857	ACCESSORIES, CABLE, TRAILING	JCM00621 0162	01
1		CABLE GLAND ASSEMBLIES, 50.8mm (2.0 INCH) ENTRY	CGA01000 0001	01-05
1	00720397 0118	CABLE GLAND ASSEMBLIES, (SPECIAL ASSEMBLIES)	CGA01000 0003	01-03
1	00720397 0118	CONVERSION, ELECTRICAL	SK025499 0137	01-02
1	00720397 0118	INSTRUCTIONS FOR PREPARING GLAND ASSEMBLIES	SK025529 0001	01
1	25002073 0001	INTERLOCK CIRCUIT MINER/CONT. HAULAGE	25002073 0001	01
1	25002073 0000	SCHEMATIC, OUTBY MBC IN A 5 UNIT SYSTEM	25002073 0000	01-02
<b>CUTTER GROUP</b>				
1	00533044 2069	FRAME, CUTTER		
1	00703482 0074	MOUNTING, CUTTER HEAD	JCM00871 0073	01
1	00482993 0466	PARTS NEEDED TO ADD STD. WATER SPRAYS ON 14CM10-10AA / 14CM12-10AA	SK024774 0356	01
1	00571803 0014	CASE, GEAR, HEAD, CUTTER	00571803 0014	01
1	00703444 0141	CUTTER HEAD DRIVE AND MOUNTING PARTS	JCM00680 0042	01
1	00534430 0020	TAKE-UP ASSEMBLY (FOR 28 R/V CHAIN)	00534430 0020	01
1	00571438 0362	DRUM, CUTTER, R.H.		
1		14-10AA 2 ¼: B.D.S. 11' 2" CUTTING WIDTH		
1	00703440 0288	DRUM MOUNTING PARTS	JCM00710 0084	01
1	00703440 0288	PROCEDURE FOR ASSEMBLY OF TAPERED ROLLER BEARINGS	SK025258 0000	01

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2	00500140 0612	CYLINDER, SHEAR	00500140 0612	01
<b>CUTTER GROUP CONTINUED</b>				
1	00534613 0024	VALVE, CHECK (PILOT OPER. – ATMOS. RELIEF)	00534613 0020	01
1	00509265 1010	6-1/4 INCH PITCH, 28 INCH WIDE RIPPERVEYOR CHAIN ASSEMBLY 2 ¼ INCH BIT SPACING, 1 INCH DIA. SHANK SQUARE SHOULDER BIT	00509265 1000	01
1	00509265 1011	6 ¼ INCH PITCH, 28 INCH WIDE RIPPERVEYOR CHAIN ASSEMBLY 2 ¼ INCH BIT SPACING, 1 INCH DIA. SHANK SQUARE BIT	00509265 1000	01
1	00720482 0003	WEIGHT, DRUM	SK025520 0003	01
<b>CONVEYOR GROUP</b>				
1	100050233	FRAME, CONVEYOR		
2	00720513 0021	GREASE TAKE-UP	SK025547 0013	01
1	100050702	KIT, MOUNTING, FRAME, CONVEYOR	100050702	01
1	01069645 0004	TUNNEL, CHAIN, CONVEYOR		
1	00531840 0004	ROLLER ASSEMBLY	00531840 0004	01
1	00533854 0006	PLATE, SLIDE, ROLLER TAIL		
2	00500112 0551	CYLINDER, ELEVATE, CONVEYOR	00500112 0551	01
1	00534613 0020	VALVE, CHECK	00534613 0020	01
1	00703481 0010	MOUNTING CONVEYOR ASSEMBLY FORWARD PIVOT	JCM00870 0011	01
1	00509193 1048	3 ¼ PITCH UNIVERSAL CONVEYOR CHAIN – PACKAGE 8 ASSEMBLY INSTRUCTIONS 28" WIDE 13" FL. SPACING	00509193 1000	01
1	00509193 0060	3 ¼ PITCH UNIVERSAL CONVEYOR CHAIN – PACKAGE 8 ASSEMBLY INSTRUCTIONS 28" WIDE 13" FL. SPACING	00509193 0000	01
<b>GATHERING HEAD GROUP</b>				
1	00507313 2100	GATHERING HEAD FRAME		
1	00703465 0163	HEAD, GATHERING, ASSEMBLY	JCM00852 0165	01-02
1	03069850 2001	SPROCKET, FOOT SHAFT		
1	00572019 0092	GATHERING HEAD GEAR CASE L.H.	00572019 0092	01-02
1	00572019 0091	GATHERING HEAD GEAR CASE R.H.	00572019 0091	01-02
1	00700075 0253	MOUNTING GATHERING HEAD DUAL DRIVE	JCM00707 0139	01
2	00500112 0285	CYLINDER, ELEVATE, GATHERING HEAD	00500112 0285	01
<b>CHASSIS GROUP</b>				
1	03567704 0075	CHASSIS		
1	00483001 0173	BUMPER, CHASSIS		

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<b>CHASSIS GROUP CONTINUED</b>				
1	00483002 0005	RUNNERS, TRACK FRAME		
1		SEAL INSTALLATION INSTRUCTIONS	SK021855 0000	01
1	100052050	KIT, HARDWARE	00500693 0058	01
2	00500653 0058	TAKE-UP, CHAIN, CRAWLER	00500693 0058	01
2	00530735 0037	PLANETARY, TRACTION	00530735 0037	01
1	00720493 0007	DRIVE PARTS, TRACTION (20")	JCM00747 0034	01-02
2	00509129 0017	CHAIN, CRAWLER	00509129 0000	01
3	00509129 0022	7" PITCH CRAWLER CHAIN 20" WIDE	00509129 0000	01
1		DUST COLLECTOR PARTS	JCM00751 0096	01
1	100018541	DUST COLLECTOR PARTS	JCM00751 0182	01
1		RUNNERS, TRACK FRAME	SK025377 0005	01
1	00483000 0165	COVERS, CHASSIS	JCM00855 0158	01-02
1	00483022 0003	PLATE TOP TRAC FRAME, R.H.		
1	00483022 0004	PLATE TOP TRAC FRAME, L.H.		
1	00703500 7938	MOUNTING JUNCTION BOX, CUTTER MOTOR (14CM 9/10/12 WITH FORWARD CONVEYOR PIVOT, LOW CHASSIS, L.H. DUST COLLECTOR)	SK025221 0411	01
1	00483012 0010	PROP, SAFETY, CONVEYOR	SK025390 0018	01
1	00483010 0009	RAILS, RUB, R.H.	JCM00771 0070	01
1	00483010 0048	RUB RAIL (ASSEMBLY L.H.)	JCM00771 0097	01
1	00483009 0167	DUST COLLECTOR	JCM00751 0182	01
1	00703483 0010	MOUNTING, STABILIZER	JCM00872 0014	01
2	00500140 0488	STABILIZER CYLINDER	00500140 0488	01
1	00703500 4797	SHEAR CYLINDER STOPS	SK024774 0118	01
1	03069629 0143	TUBE, DRAWING		
1	00703500 7406	TRACTION MOTOR MOUNTING	JCM00867 0000	01
1	00507048 0056	REDUCER, TRACTION, (14CM)	00507048 0056	01
1	00507048 0057	REDUCER, TRACTION, (14CM)	00507048 0056	01
<b>HYDRAULIC GROUP</b>				
1	5000002397	SCHEMATIC, HYDRAULIC SYSTEM, 14CM	5000002397	01
1	100034510	PIPING, PUMP	5000002399	01-02
1	000X3043 0009	CHECK VALVE	000X3043 0009	01
1	00720475 0107	PIPING, SHEAR	PD004696 0069	01
1	00571686 0000	RESTRICTOR FILTER	00571686 0000	01

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1	00720484 0036	PIPING, GATHERING HEAD	PD004695 0024	01
QTY	PART NUMBER	DESCRIPTION	REFERENCE DRAWING	SH NO
<b>HYDRAULIC GROUP CONTINUED</b>				
1	00720468 0050	PIPING, CONVEYOR	PD004694 0024	01
1	A0032579 0000	ADJUSTABLE ORIFICE ELBOW	A0032579 0000	01
1	00720466 0018	PIPING, STABILIZER	PD004697 0009	01
1	00506227 0028	DRIVE, PUMP, HYDRAULIC	JCM00742 0036	01
1	00532520 0004	HYDRAULIC OIL FILTER (SPIN-ON TYPE)	00532520 0004	01
1	00530553 0067	FILTER, PRESSURE	00530553 0067	01
1	00506227 0028	PUMP, HYDRAULIC	00506227 0028	01
1	00530553 0067	FILTER, HYDRAULIC FLUID, PRESS		
1	00532170 0013	VALVE (SOLENOID) (N/C)	00532170 0013	01
1	00570553 0002	CARTRIDGE, SOLENOID (N/C)	00570553 0002	01
1	00506203 0004	DIVERSION VALVE	00506203 0004	01
1	00506230 0032	CONTROL VALVE	00506230 0032	01
1	00506205 1328	INLET		
1	00506205 0670	VALVE ASSEMBLY	00506205 0670	01
1	00506205 0668	SECTION, VALVE	00506205 0668	01
1	00506205 0971	VALVE, CONTROL, SECTION	00506205 0971	01
1	00506205 1930	HANDLE, CONTROL VALVE	00506205 1930	01
1	00700054 0361	PLATE, NAME, CONTROL VALVE	SK025058 0029	01
1	00534614 0008	VALVE, SELECTOR	00534614 0008	01
1	00531873 0000	VALVE (SEQUENCE)	00531873 0000	01
1	03045090 0002	RELIEF VALVE	00A45090 0000	01
1	00530553 0099	FILTER	00530553 0099	01
1	00532170 0058	VALVE, SOLENOID	00532170 0058	01
1	00570553 0002	CARTRIDGE, SOLENOID (N/C)	00570553 0002	01
1	00712051 3294	GAUGE, OIL TEMPERATURE PARTS/LOCATION ON 14CM	PD005329 0000	01
1	00720162 0009	HOSES, REPLACEMENT, CHASSIS		
1	00703485 0015	HYDRAULIC HOSE GUARD	JCM00873 0013	01
<b>DUST SUPPRESSION GROUP</b>				
1	5000002398 00	APPROVAL, SPRAY SYSTEM	5000002398 00	01
1	100034511 000	PIPING, WATER	5000002402 00	01
1	00571892 0000	WATER FILTER	00571892 0000	01
1	00730487 0005	NOZZLE, SPRAY, DUST SUPPRESSION		
1	00533872 0001	2 WAY WATER VALVE N/C	00533872 0001	01

