

**APPROVAL AND CERTIFICATION CENTER  
MINER APPROVALS**

| <b>APPROVAL NO.</b> | <b>COMPANY</b>  | <b>ISSUE DATE</b> | <b>DESCRIPTION</b>  |
|---------------------|---|-------------------|---|
| 2G-2673             | LEE-NORSE CO.<br>TRANSFERRED TO<br>INGERSOLL-RAND<br>CO. TRANSFERRED<br>TO SIMMONS-<br>RAND<br>TRANSFERRED TO<br>LONG-AIRDOX<br>TRANSFERRED TO<br>DBT AMERICA | 5/14/73           | MODEL CM35Y-1K, 250 VDC WITH<br>THREE 75 HP MOTORS, MINER   |
| 2G-2676A            | LEE-NORSE CO.<br>TRANSFERRED TO<br>INGERSOLL-RAND<br>CO. TRANSFERRED<br>TO SIMMONS-<br>RAND<br>TRANSFERRED TO<br>LONG-AIRDOX<br>TRANSFERRED TO<br>DBT AMERICA | 5/24/73           | MODEL CM285E-1E/60, -1EE/60,<br>440/550 VAC, 3PH, 60HZ WITH THREE<br>25 HP, TWO 30/15 HP AND TWO<br>125HP MOTORS, MINER |
| 2G-2682A            | LEE-NORSE CO.<br>TRANSFERRED TO<br>INGERSOLL-RAND<br>CO. TRANSFERRED<br>TO SIMMONS-<br>RAND<br>TRANSFERRED TO<br>LONG-AIRDOX<br>TRANSFERRED TO<br>DBT AMERICA | 06/01/73          | TYPE HH-456-1E/60, 440 VAC, 3PH,<br>60HZ WITH THREE 150 HP MOTORS,<br>MINER   |
| 2G-2690A            | JEFFREY MINING<br>MACHINERY DIV.  | 06/25/73          | TYPE 120 MA1-F, 120MB1-F, 121 MA1-<br>F OR 121 MB1-F, 575VAC, 3PH, 60HZ<br>WITH TWO 275HP MOTORS,<br>“HELIMINER”        |
| 2G-2693A            | NATIONAL MINE<br>SERVICE<br>COMPANY<br>TRANSFERRED TO   | 08/02/73          | TYPE 3080, 44/550 VAC, 3PH, 60HZ<br>WITH TWO 200HP, TWO 25HP, TWO<br>30/50/60HP, AND ONE 50HP MOTORS,<br>DRUM MINER     |

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|---------------------|---|-------------------|---|
|                     | EIMCO COAL MACHINERY DIV  |                   |   |
| 2G-2697A            | JEFFREY MINIG MACHINERY DIV   | 07/02/73          | TYPE 120 LA1-F, 120LB1-F, 121LA1-F AND 121 LB1-F, 575VAC, 3PH, 60HZ WITH TWO 225HP MOTORS, "HELIMINER"                      |
| 2G-2702A            | BADGER MFG CORP   | 07/02/73          | 440VAC, 3PH, 60HZ WITH ONE 150HP AND ONE 20HP MOTOR, COAL-BADGER DEEP MINING AUGER MACHINE                                  |
| 2G-2716A            | LEE-NORSE CO TRANSFERRED TO INGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG AIRDOX | 08/27/73          | MODEL HH606-1E/60, -1EE/60, 440/550 VAC, 3PH, 60HZ WITH THREE 150HP MOTORS, MINER   |
| 2G-2726A            | JEFFREY MINING MACHINERY DIV  | 09/06/73          | TYPES 120 LA1-G, 121 LA1-G, 120LB1-G AND 121 LB1-G, 995VAC, 3PH, 60HZ WITH TWO 225HP MOTORS, "HELIMINER"                    |
| 2G-2727A            | ALPINE EQUIPMENT CORPORATION  | 03/01/74          | MODEL AM50, 440/550VAC, 3PH, 60HZ WITH ONE 134HP AND FIVE 18HP MOTORS, MINER  |
| 2G-2740A            | JEFFREY MINING MACHINERY DIV  | 11/07/73          | TYPE 101 MCI-C WITH 94-L BRIDGE CONVEYOR, 460VAC, 3PH, 60HZ WITH THREE 95HP AND ONE 7-1/2HP MOTOR                           |
| 2G-2742A            | JOY MFG. CO NAME CHANGE TO JOY MINING MACHINERY   | 10/26/73          | TYPE 12CM1-15BX, 950VAC, 3PH, 60HZ WITH THREE 175HP, ONE 65HP AND TWO 35HP MOTORS, MINER                                    |
| 2G-2752A            | LEE-NORSE CO TRANSFERRED TO INGERSOLL-RAND CO TRANSFERRED   | 12/26/73          | TYPES HH106-1V/60, HH106-2V/60, HH106-1E/1EE/60, AND HH106-2E/2EE/60, 440, 550/950VAC, 3PH, 60HZ WITH THREE 150HP, OR THREE |

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|                     | TO SIMMONS-RAND CO<br>TRANSFERRED TO<br>LONG-AIRDOX  |                   | 150HP AND TWO 25HP MOTORS,<br>MINER   |
| 2G-2775A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-<br>RAND CO<br>TRANSFERRED TO<br>LONG-AIRDOX | 03/06/74          | TYPE CM28H-6E/60, -6EE/60, -7E/60, -<br>7EE/60, -8E/60 AND 8EE/60,<br>440/550VAC, 3PH, 60HZ WITH FOUR<br>50HP MOTORS, CONTINUOUS<br>MINER                   |
| 2G-2798A            | JEFFREY MINING<br>MACHINERY DIV  | 08/23/74          | TYPES 120LA1-F, 120LB1-F, 121LA1-F<br>AND 121LB1-F, 575VAC, 3PH, 60HZ<br>WITH TWO 225HP MOTORS, RADIO<br>REMOTE HELIMINER CONTINUOUS<br>MINER               |
| 2G-2818A            | JEFFREY MINING<br>MACHINERY DIV  | 11/27/74          | TYPES 120LA1-G, 120LB1-G, 121LA1-<br>G AND 121LB1-G, 995VAC, 3PH, 60HZ<br>WITH TWO 225HP MOTORS,<br>HELIMINER CONTINUOUS MINERS<br>WITH OPT. REMOTE CONTROL |
| 2G-2824A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-<br>RAND CO<br>TRANSFERRED TO<br>LONG-AIRDOX | 01/28/76          | TYPE HH106E-1E, 1EE/60,<br>440/550VAC, 3PH, 60HZ WITH TWO<br>150HP, ONE 40HP, TWO 25HP AND<br>TWO 30HP MOTORS, MINER  |
| 2G-2827             | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-<br>RAND CO<br>TRANSFERRED TO<br>LONG-AIRDOX | 10/20/75          | MODEL CM35-3K, 250VDC WITH<br>THREE 50HP MOTORS, MINER  |

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| 2G-2833A            | JOY MFG CO   | 02/13/75          | MODEL 12CM2-8BH, 440VAC, 3PH, 60HZ WITH ONE 200HP, ONE 65HP, ONE 50HP AND TWO 35HP MOTORS, MINER                    |
| 2G-2840A            | THE DOSCO CORP   | 05/27/75          | TYPE ISM, 440VAC, 3PH, 60HZ WITH THREE 50HP MOTORS, "INSEAM" MINER  |
| 2G-2841A            | JEFFREY MINING MACHINERY DIV   | 03/13/75          | 120HR1-J OR 121HR1-J, 4160VAC, 3PH, 60HZ WITH TWO 300HP MOTORS, "HELMINER"  |
| 2G-2843A            | NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINER DIV                                   | 10/21/76          | TYPE 3080, 950VAC, 3PH, 60HZ WITH TWO 200HP, TWO 25HP, TWO 60HP AND ONE 50HP MOTORS, MINER WITH ELECTRIC TRAM DRIVE |
| 2G-2844A            | BADGER MFG CO  | 05/05/75          | MODEL K/1-A, 440/460VAC, 3PH, 60HZ WITH ONE 50 AND ONE 20HP MOTOR, "KERF/ONE" MINING MACHINE                        |
| 2G-2845A            | LEE-NORSE CO TRANSFERRED TO ITERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG-AIRDOX | 12/16/75          | MODELS HH386-1-1E/1EE AND HH386-1-2E/2EE, 440/550VAC, 3PH, 60HZ WITH THREE 150HP MOTORS, MINER                      |
| 2G-2853A            | LEE-NORSE CO TRANSFERRED TO ITERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG-AIRDOX | 03/29/76          | MODELS HH266-1-1E AND HH266-1-1EE, 440/550VAC, 3PH, 60HZ WITH THREE 100HP MOTORS, CONTINUOUS MINER                  |

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| 2G-856A             | JOY MFG CO   | 05/05/75          | 9CM-3AKK, 550VAC, 3PH, 60HZ WITH ONE 115HP, TWO 90HP AND ONE 50HP MOTOR, MINER                 |
| 2G-2861A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-<br>RAND CO<br>TRANSFERRED TO<br>LONG-AIRDOX | 12/12/75          | MODEL CM45E-6E/60, 440VAC, 3PH, 60HZ WITH THREE 150HP AND ONE 50HP MOTORS, CONTINUOUS MINER    |
| 2G-2866A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-<br>RAND CO<br>TRANSFERRED TO<br>LONG-AIRDOX | 07/23/75          | MODEL HH386-2-IV, 950VAC WITH THREE 150HP MOTORS, REMOTE CONTROL MINER                         |
| 2G-2874A            | JEFFREY MINING<br>MACHINERY DIV  | 06/26/75          | 101MC1-C WITH 94L BRIDGE CONVEYOR, 460VAC, 3PH, 60HZ WITH THREE 95HP MOTORS, "HELIMATIC" MINER |
| 2G-2879A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-<br>RAND CO<br>TRANSFERRED TO<br>LONG-AIRDOX | 10/03/75          | MODELS HH455-9 AND HH455-11, 950VAC, 3PH, 60HZ WITH THREE 150HP MOTORS, MINER                  |
| 2G-2890A            | WILCOX MFG DIV,<br>FAIRCHILD, INC<br>TRANSFERRED TO<br>JOY GLOBAL  | 09/19/75          | MODEL MARK 20-A, 460/550VAC WITH TWO 100HP AND TWO 15HP MOTORS, CONTINUOUS MINER               |
| 2G-2893A            | JARVA, INC.  | 11/24/75          | MARK 12-1200 (TUNNEL BORER WITH UTILITY TRAILER AND TRAILING CONVEYOR), 440VA 3PH,             |

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| 2G-2904A            | JOY MFG CO  | 10/30/75          | 60HZ WITH FOUR 150HP, ONE 40HP, TWO 10HP AND THREE 1HP MOTORS, MINER<br>MODEL 11CM-2AX, 950VAC, 3PH, 60HZ WITH TWO 175HP, TWO 50HP, TWO 40HP AND TWO 15HP MOTORS, MINER |
| 2G-2917A            | JOY MFG CO  | 01/16/76          | 12CM6-10BVW, 950VAC, 3PH, 60HZ WITH TWO 155HP, ONE 60HP, TWO 35HP AND ONE 50HP MOTORS, MINER  |
| 2G-2920A            | JEFFREY MINING MACHINERY DIV  | 02/03/76          | TYPES 120 HA1-G, 120 HB1-G, 121 HA1-G AND 121 HB1-G, 995VAC, 3PH, 60HZ WITH TWO 275HP MOTORS, "HELIMINER"   |
| 2G-2930A            | DOSCO CORP  | 02/23/76          | 460/575VAC, 3PH, 60HZ WITH ONE 120/145HP MOTOR, "DINTHEADER" MINER  |
| 2G-2955A            | JOY MFG CO  | 05/03/76          | MODEL 15CM1-8AKK, 550VAC, 3PH, 60HZ WITH TWO 90HP, TWO 50HP AND FOUR 30/15HP MOTORS, MINER  |
| 2G -2957A           | NATIONAL MINE SERVICE COMPANY<br>TRANSFERRED TO<br>EIMCO COAL MACHINERY DIV | 05/28/80          | TYPE 5012, 550VAC, 3PH, 60HZ WITH TWO 200HP, ONE 50HP, TWO 25HP AND TWO 7.5-60HP MOTORS, DRUM MINER   |
| 2G-2959A            | JOY MFG CO  | 06/09/76          | MODELS 14CM3-11AH/AKKK AND 14CM4-11AH/AKK, 400/550VAC, 3PH, 60HZ WITH TWO 90HP, TWO 50HP AND TWO 35HP MOTORS, MINER   |
| 2G-2963A            | NORTH AMERICAN GALIS  | 06/04/76          | MODEL 40, 440/460/550VAC, 3PH, 60HZ WITH ONE 125HP MOTOR, "COAL MAKER AUGER MINER"  |
| 2G-2966             | FAIRCHILD, INC.<br>TRANSFERRED TO<br>JOY GLOBAL                             | 07/22/76          | MODEL MARK 20-D, 240VDC WITH TWO 60HP AND TWO 10HP MOTORS, MINER  |

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| 2G-2972A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-<br>RAND CO<br>TRANSFERRED TO<br>LONG-AIRDOX | 11/04/76          | MODELS CM 365-1-1E AND CM365-1-1E, 440/550VAC, 3PH, 60HZ WITH THREE 150HP AND TWO 25HP MOTORS, MINER               |
| 2G-2984A            | LONG-AIRDOX CO   | 10/08/76          | MODEL FDC-412, 440VAC, 3PH, 60HZ WITH TWO 200HP MOTORS, CONTINUOUS MINER   |
| 2G-2989A            | JEFFREY MINING<br>MACHINERY DIV  | 09/09/76          | TYPES 120 LA1-C, LB1-C, 121 LA1-C AND 121 LB1-C, 460VAC, 3PH, 60HZ WITH TWO 225HP AND ONE 15HP MOTORS, "HELIMINER" |
| 2G-2995A            | JEFFREY MINING<br>MACHINERY DIV  | 09/18/76          | TYPE 120H2-F, 575VAC, 3PH, 60HZ WITH TWO 300HP MOTORS, "HELIMINER"   |
| 2G-2998A            | JEFFREY MINING<br>MACHINERY DIV  | 10/14/76          | TYPES 122 MA1-C AND 122MB1-C, 460VAC, 3PH, 60HZ WITH TWO 275HP MOTORS, "HELIMINER"                                 |
| 2G-3000A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-<br>RAND CO<br>TRANSFERRED TO<br>LONG-AIRDOX | 01/27/77          | MODEL CM35Y-2E/60, 440VAC, 3PH, 60HZ WITH THREE 75HP MOTORS OR THREE 75 AND TWO 6HP MOTORS, MINER                  |
| 2G-3010A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED  | 02/08/77          | MODEL CM45M-2-2E, 440VAC, 3PH, 60HZ WITH TWO 175HP, ONE 150JP AND ONE 50HP MOTORS, MINER                           |

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|---------------------|--|-------------------|---|
|                     | TO SIMMONS-RAND CO<br>TRANSFERRED TO<br>LONG-AIRDOX  |                   |   |
| 2G-3011A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-RAND CO<br>TRANSFERRED TO<br>LONG-AIRDOX | 03/09/77          | MODELS HH486E-1-1E AND HH486E-1-1EE, 440/550VAC, 3PH, 60HZ WITH TWO 150HP, ONE 40HP, TWO 25HP AND TWO 30HP MOTORS, CONTINUOUS MINER |
| 2G-3012A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-RAND CO<br>TRANSFERRED TO<br>LONG-AIRDOX | 04/06/77          | MODEL HH386E-1-1V, 950VAC, 3PH, 60HZ WITH TWO 150HP, ONE 40HP, TWO 25HP AND TWO 30HP MOTORS, HARDHEAD MINER                         |
| 2G-3013A            | ANDERSON<br>MAVOR (USA) LTD.<br>TRANS. TO LONG<br>AIRDONX<br>LONGWALL  | 12/16/87          | MODEL 1, 460/575/960VAC, 3PH, 60HZ WITH TWO 80HP MOTORS, BOOM MINER   |
| 2G-3016A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-RAND CO TRANS.<br>TO LONG-AIRDOX         | 01/21/77          | MODEL HH486-5-IV, 950VAC, 3PH, 60HZ WITH THREE 150HP MOTORS, MINER  |
| 2G-3021A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-RAND CO TRANS.<br>TO LONG-AIRDOX         | 04/19/77          | MODEL CM38H-2-2M, 550VDC WITH THREE 75HP MOTORS, MINER  |



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| 2G-3025A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-<br>RAND CO TRANS.<br>TO LONG-AIRDOX | 04/14/77          | MODEL CM26H-1-6E AND CM26H-1-6EE, 440/550VAC, 3PH, 60HZ WITH FOUR 100HP MOTORS, MINER                                  |
| 2G-3031A            | JOY MFG CO   | 06/15/77          | TYPE 14CM5, 440VAC, 3PH, 60HZ WITH TWO 35, TWO 50 AND TWO OPT. 135 OR 175HP MOTORS, MINER                              |
| 2G-3033A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-<br>RAND CO TRANS.<br>TO LONG-AIRDOX | 07/06/77          | MODEL HH546-2-1E, 440VAC, 3PH, 60HZ WITH THREE 150HP MOTORS, MINER   |
| 2G-3057A            | JEFFREY MINING<br>MACHINERY DIV  | 09/15/77          | TYPE 120H2-G, 995VAC, 3PH, 60HZ WITH TWO 300HP MOTORS, "HELIMINER"   |
| 2G-3082A            | JEFFREY MINING<br>MACHINERY DIV  | 05/01/78          | TYPE 122MAI-J AND 122MBI-J, 4160VAC, 3PH, 60HZ WITH TWO 275HP MOTORS, "HELIMINER" CONTINUOUS MINER                     |
| 2G-3095A            | ARMCO STEEL<br>CORP.   | 06/22/78          | MODEL MARK9, 975VAC, 3PH, 60HZ WITH THREE 125HP, ONE 60HP, ONE 13HP, ONE 2HP, AND ONE 1HP MOTOR, TUNNEL BORING MACHINE |
| 2G-3123A            | FAIRCHILD, INC<br>TRANSFERRED TO<br>JOY GLOBAL   | 11/22/78          | MODEL MARK 22, 440/550VAC, 3PH, 60HZ WITH TWO 100HP AND ONE 15HP OR ONE 10HP MOTOR, MINER                              |

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| 2G-3141A            | APPLIED MINING EQUIPMENT AND SERVICES CO                              | 03/12/79          | MODEL CAU-48, 460VAC, 3PH, 60HZ WITH ONE 40HP AND ONE 150HP MOTOR, AUGER MINER   |
| 2G-3159A            | MONTGOMERY MINING MACHINE MFG   | 07/27/79          | MODEL 1820, 460VAC, 3PH, 60HZ WITH TWO 35HP MOTORS, MINIMINER  |
| 2G-3173A            | VOEST-ALPINE INTERNATIONAL (TRANSFERRED TO SANDVIK)                   | 09/28/79          | MODEL AM50, 440/550VAC, 3PH, 60HZ WITH ONE 150JP AND FIVE 16HP MOTORS, MINER   |
| 2G-3174A            | VOEST-ALIPINE INTERNATIONAL TRANSFERRED TO SANDVIK)                   | 10/16/79          | MODEL F6-A, 440/550VAC, 3PH, 60HZ WITH ONE 44HP AND FIVE 9HP MOTORS, MINER   |
| 2G-3182A            | NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINERY DIV | 09/27/79          | MODEL 2460, 440/550/950VAC, 3PH, 60HZ WITH TWO 25HP, TWO 125HP, ONE 40HP AND TWO 30HP MOTORS, MINER                                  |
| 2G-3204A            | AEC INC, TRANSFERRED TO E.T.E.  | 01/15/80          | MODELS 135F, 180F AND 230F, 950VAC, 3PH, 60HZ WITH ONE 150HP, 100HP, OR 55HP MOTORS, ONE 60HP MOTOR, AND TWO 10HP MOTORS, ROC-MINERS |
| 2G-3206A            | AEC INC, TRANSFERRED TO E.T.E.  | 01/17/80          | MODELS 330, L330 AND H330, 440/550VAC, 3PH, 60HZ WITH ONE 165HP, TWO 30HP, AND ONE 165HP, OR 165/110HP OR 215HP MOTORS, MINER        |
| 2G-3227A            | JOY MFG CO  | 04/16/80          | MODEL 12CM, 440/550 AC, MINER  |

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| 2G-3248A            | JOY MFG CO   | 06/19/80          | MODEL 15CM WITH TWO 95 OR 110HP, ONE 40 OR 50HP, TWO 15, 30, OR 40HP, AND ONE 35HP AC MOTOR, CONTINUOUS MINER                     |
| 2G-3249A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-<br>RAND CO TRANS.<br>TO LONG-AIRDOX   | 06/12/80          | MODEL CM285-3-3E/3EE WITH TWO 125HP, TWO 50HP, TWO 25HP AND ONE 25HP MOTOR, MINER   |
| 2G-3251A            | SALEM<br>TRANSFERRED TO<br>INGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-<br>RAND CO<br>TRANSFERRED TO<br>LONG-AIRODX | 06/19/80          | MODEL PAURAT E-169, 950VAC, 3PH, 60HZ, ROADHEADING MACHINE  |
| 2G-3253A            | CARGILL INC  | 02/04/82          | MODEL 330, 440VAC, 3PH, 60HZ WITH ONE 215HP, ONE 165HP, TWO 20HP, ONE 5HP, ONE OPT. 5HP, MOTOR, MINER                             |
| 2G-3255A            | LEE-NORSE CO<br>TRANSFERRED TO<br>IGERSOLL-RAND<br>CO TRANSFERRED<br>TO SIMMONS-<br>RAND CO TRANS.<br>TO LONG-AIRDOX   | 08/01/80          | MODEL LN800-/1EE, 440/550VAC, 3PH, 60HZ WITH TWO 150HP, TWO 25HP, ONE 50HP, AC MOTOR, AND TWO 65HP, 600VDC TRACTION MOTORS, MINER |
| 2G-3261A            | JEFFREY MINING<br>MACHINERY DIV  | 08/08/80          | MODEL 1028, 460/575VAC, 3PH, 60HZ WITH TWO 95HP, AND ONE 50HP, ONE 65HP AC MOTOR, AND TWO 35HP 250VDC MOTORS, MINER               |
| 2G-3265A            | AEC INC,<br>TRANSFERRED TO<br>E.T.E.   | 09/19/80          | MODELS 125E, 200E, AND 250E, 440/550VAC, 3PH, 60HZ WITH ONE 55, 100 OR 150HP, TWO 10 OR 20HP,                                     |

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|                     |   |                   | ONE 10 OR 20HP AC MOTOR, AND TWO 20/6.7HP 600 VDC MOTORS, CONTINUOUS MINER   |
| 2G-3267A            | JOY MFG CO  | 09/19/80          | MODEL 14CM, 440/550VAC, 3PH, 60HZ WITH TWO 110/125/135/175HP, ONE 50HP, ONE 50/60HP AND TWO 35HP 250VDC TRACTION MOTORS, MINER             |
| 2G-3273A            | JOY MFG CO  | 11/13/80          | MODEL 15CM, 950VAC, 3PH, 50/60HZ WITH TWO 90 OR 100HP, TWO 15/30 OR 40HP, ONE 50HP AND ONE 35 OR 50HP CONVEYOR MOTOR, REMOTE CONTROL MINER |
| 2G-3284A            | NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINERY DIV | 12/17/80          | MODEL 5012-S, 440/550/950VAC, 3PH, 50/60HZ WITH ONE 50HP, TWO 60HP, TWO 25HP AND TWO 200HP MOTORS, MINER                                   |
| 2G-3297A            | JOY MFG CO  | 04/14/81          | MODEL 14CM, 440/550VAC, 3PH, 60HZ WITH TWO 90HP, ONE 50 OR 70HP MOTOR, ONE 50HP AC MOTOR AND TWO 35HP TRACTION MOTORS, CONTINUOUS MINER    |
| 2G-3300A            | VOEST-ALPINE INTERNATIONAL (TRANSFERRED TO SANDVIK)                   | 04/02/81          | MODEL F6-A, 950/1000VAC, 3PH, 60HZ WITH ONE 55HP AND FIVE 9HP MOTORS, ALPINE MINERS  |
| 2G-3301A            | JOY MFG CO  | 04/24/81          | MODEL 14CM3/4, 950VAC, 3PH, 60HZ WITH TWO 90HP, ONE 50 OR 70HP, ONE 50HP AC MOTORS AND TWO 35HP 250VDC TRACTION MOTORS, MINER              |
| 2G-3305A            | NATIONAL MINE SERVICE COMPANY   | 05/13/81          | MODEL 3080, 440/550VAC, 3PH, 60HZ WITH ONE 50HP, TWO 7.5 TO 60HP OR 10.5 TO 50HP, TWO 25HP AND   |

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|---------------------|---|-------------------|--|
|                     | TRANSFERRED TO<br>EIMCO COAL<br>MACHINERY DIV   |                   | TWO 200HP MOTORS, MINER  |
| 2G-3311A            | JEFFREY MINING<br>MACHINERY DIV   | 06/12/81          | TYPES 123H AND 120H2, 4160VAC, 3PH, 60HZ WITH TWO 300HP MOTORS, "HELIMINER"  |
| 2G-3328A            | JOY MFG CO  | 09/01/81          | MODEL 15CM, 440/550VAC, 3PH, 6HZ WITH TWO 90HP OR 100HP, ONE 50HP, ONE 50HP OR 35HP AND FOUR 30/15 DUEL HP MOTORS, REMOTE CONTROL MINER  |
| 2G-3334A            | JOY MFG CO  | 09/28/81          | MODEL 12CM, 950VAC, 3PH, 60/50HZ WITH TWO 175/135/125/110/95HP, 60HZ OR 115/120/110/75HP, 50HZ MOTORS, ONE 70/65HP, 60HZ OR 60HP, 50HZ MOTOR, ONE 50HP   |
| 2G-3335A            | JOY MFG CO  | 09/30/81          | MODEL 14CM, 950VAC, 3PH, 60/50HZ WITH TWO 175/135HP, 60HZ, OR 155HP, 50HZ MOTORS, ONE 50HP, 60/50HZ MOTOR, ONE 70/50HP, 60HZ OR 60/45HP, 50HZ MOTOR, TWO 35HP, 250VDC MOTORS, AND ONE 60HZ ONLY 30HP, DUST COLLECTING MOTOR, MINER |
| 2G-3356A            | LEE-NORSE CO.<br>TRANSFERRED TO<br>INGERSOLL-RAND<br>CO. TRANSFERRED<br>TO SIMMONS-<br>RAND<br>TRANSFERRED TO<br>LONG-AIRDOX<br>TRANSFERRED TO<br>DBT AMERICA | 12/30/81          | MODEL LN-800-IV, 950VAC, 3PH, 60HZ WITH TWO 65HP OR 53HP, 532 OR 600VDC MOTORS AND TWO 150HP, TWO 30 OR 40HP AND ONE 50HP AC MOTORS, CONTINUOUS MINER  |
| 2G-3358A            | JEFFREY MINING<br>MACHINERY DIV   | 12/22/81          | TYPE 1036, 460/575/995VAC, 3PH, 60HZ WITH TWO 125HP, ONE 50HP, ONE 65HP AC MOTORS AND TWO 35HP, 250VDC MOTORS, MINER   |

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| 2G-3361A            | JOY MFG CO  | 01/12/82          | MODEL 14CM, 440/550VAC, 3PH, 60HZ WITH TWO 110, 125, 135, OR 175HP, ONE 50 OR 70HP, ONE 50HP AC MOTORS AND TWO 35HP 250 VDC MOTORS, MINER |
| 2G-3364A            | JOY MFG CO  | 02/17/82          | MODEL 14CM7/8, 440/550VAC, 3PH, 60HZ WITH TWO 110/125/135/175HP, ONE 50HP, ONE 50/60HP AC MOTORS AND TWO 35HP 250 VDC MOTORS, MINER       |
| 2G-3375A            | JEFFREY MINING MACHINERY DIV                        | 03/30/82          | TYPES 120H2, 123H, AND 123HR, 460/575/995VAC, 3PH, 60HZ WITH TWO 300HP AND TWO OPT. 20HP MOTORS, MINER                                    |
| 2G-3376A            | JEFFREY MINING MACHINERY DIV                        | 03/26/82          | TYPES 120H2, 123H, 123HR, 460/575/995VAC, 3PH, 60HZ WITH TWO 300HP MOTORS, AND TWO OPT. 20HP MOTORS, CONTINUOUS MINER                     |
| 2G-3380A            | VOEST-ALPINE INTERNATIONAL (TRANSFERRED TO SANDVIK) | 04/22/82          | MODEL AM50 WITH OPT. ROOF BOLTER, 950/1000VAC, 3PH, 60HZ WITH ONE 150, FIVE OR SIX 16HP AND ONE OPT. 9HP MOTORS, ALPINE MINER             |
| 2G-3387A            | ACME MACHINERY                                      | 04/21/82          | MODEL AMB-1, 440/550VAC, 3PH, 60HZ WITH TWO 100HP MOTORS, MINER BOLTER MACHINE  |
| 2G-3392A            | JEFREY MINING MACHINERY DIV                         | 05/13/82          | TYPES 120H2, 123H, AND 123HR, 4160VAC, 3PH, 60HZ WITH TWO 300HP MOTORS, MINER   |
| 2G-3398A            | DOSCO CORP  | 06/23/82          | MODEL TB2000, 950VAC, 3PH, 60HZ WITH TWO 200HP AND ONE 300HP MOTORS, MINER  |

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| 2G-3413A            | JEFFREY MINING MACHINER DIV   | 08/10/82          | TYPE 120HR, 460/575/995VAC, 3PH, 60HZ WITH TWO 300HP AND TWO OPT. 20HP MOTORS, CONTINUOUS MINER   |
| 2G-3437A            | JOY MFG CO  | 11/04/82          | MODEL 12CM/12HM, 440/500/550VAC, 3PH, 60/50/60HZ WITH TWO 95, 110, 125, 135, 155 OR 175HP, ONE 50 OR 60HP, TWO 35HP, ONE 60, 65 OR 75HP, AND OPT. ONE OR TWO 6HP, ONE 25HP OR ONE 30HP MOTOR, MINER       |
| 2G-3442A            | DOSCO CORP.   | 11/18/82          | MODEL LH1300, 950VAC, 3PH, 60HZ WITH ONE 230HP, ONE 145HP AND ONE 80HP MOTOR, MINER   |
| 2G-3453A            | NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINERY DIV | 01/17/83          | MODEL 2460, 440, 550, OR 950VAC, 3PH, 60HZ WITH TWO 25, TWO 125, ONE 40 AND TWO 30/15/7.5HP MOTORS, MINER   |
| 2G-3459A            | JOY MFG CO  | 02/23/83          | MODEL 12CM/12HM, 440/500/550VAC, 3PH, 60/50/60HZ WITH TWO 95, 110, 125, 135, 155 OR 175HP, ONE 50, 60 OR 70HP, ONE 60, 70, 75HP AND ONE (OPT) 30HP MOTORS, AND TWO 35HP, 250VDC MOTORS, CONTINUOUS MINERS |
| 2G-3460A            | JOY MFG CO  | 02/16/83          | MODEL 14CM, 950VAC, 60HZ WITH TWO 125, 135, OR 175HP, ONE 50 OR 70HP, ONE 35 OR 50HP AND ONE (OPT) 30HP AC MOTORS, AND TWO 35HP, 250VDC MOTORS, CONTINUOUS MINER  |
| 2G-3498A            | JOY MFG CO  | 09/14/83          | TYPE 12HM, 950VAC, 3PH, 60HZ WITH TWO 225HP, TWO 70HP, TWO 40HP AND TWO 25HP MOTORS, AND 35HP, 250VDC MOTORS,   |

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|                     |   |                   | CONTINUOUS MINER  |
| 2G-3502A            | JEFFREY MINING MACHINERY DIV  | 10/07/83          | TYPE 1036, 460/575VAC, 3PH, 60HZ WITH TWO 125HP, ONE 50HP AND ONE 65 MOTORS, AND TWO 35HP, 250VDC MOTORS, FULL FLOW CONTINUOUS MINER  |
| 2G-3520A            | LEE-NORSE CO TRANSFERRED TO INGERSOLL-RAND CO TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG AIRDOX | 01/19/84          | MODEL E-134, 440/550V, 3PH, 60HZ, AC, WITH ONE 150/300HP CUTTER MOTOR, ONE 100HP PUMP MOTOR, AND (2) 40HP CONVEYOR MOTORS, PAURAT ROADHEADER MINER                                  |
| 2G-3522A            | NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINERY DIV                                   | 03/16/84          | TYPE 780ACD, 4160VAC, 3PH, 60HZ WITH ONE 150HP PUMP MOTOR AND TWO 300HP ROTO MOTORS, BORING MACHINE   |
| 2G-3537A            | JEFFREY MINING MACHINERY DIV  | 05/24/84          | TYPE 1028, 460/575VAC, 3PH, 60HZ WITH TWO 35HP, 250VDC TRAM MOTORS, TWO 125HP AUGER MOTORS, ONE 65HP CONVEYOR MOTOR AND ONE 50HP PUMP MOTOR, 460/575VAC, FULL FLOW CONTINUOUS MINER |
| 2G-3559A            | JEFFREY MINING MACHINERY DIV  | 08/03/84          | TYPE 1028HPS AND 1036HPS, WITH OPT. RADIO REMOTE CONTROL FULL FLOW CONTINUOUS MINER   |
| 2G-3561A            | JEFFREY MINING MACHINERY DIV  | 08/15/84          | TYPE 1036, 460/575VAC, 3PH, 60HZ, FULL-FLOW CONTINUOUS MINER  |
| 2G-3562A            | JOY MFG CO  | 08/16/84          | MODEL 14CM, 950VAC, 3PH, 60HZ, CONTINUOUS MINER   |



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| 2G-3563A            | JEFFREY MINING MACHINERY DIV   | 08/23/84          | TYPE 1028, 460/575VAC, 3PH, 60HZ, FULL FLOW CONTINUOUS MINER                                   |
| 2G-3572A            | JOY MFG CO   | 10/05/84          | MODEL 14CM 9/10, 440/550VAC, 3PH, 60HZ, CONTINUOUS MINER                                       |
| 2G-3575A            | DOSCO CORP   | 10/29/84          | MODEL SL120, 480.575/950VAC, 3PH, 60HZ, CONTINUOUS MINER                                       |
| 2G-3578A            | JOY MFG CO   | 11/23/84          | MODEL 15CM, 440/550VAC, 3PH, 60HZ, CONTINUOUS MINER  |
| 2G-3579A            | JEFFREY MINING MACHINERY DIV   | 11/23/84          | TYPE 1028HPS AND 1036HPS, 460/575VAC, 3PH, 60HZ, CONTINUOUS MINER                              |
| 2G-3583A            | JEFFREY MINING MACHINERY DIV   | 12/12/84          | TYPE 1028, 460/575/995VAC, 3PH, 60HZ, FULL FLOW CONTINUOUS MINER                               |
| 2G-3584A            | NATIONAL MINE SERVICE COMPANY TRANSFERRED TO EIMCO COAL MACHINERY DIV    | 12/24/84          | MODEL 3612, 440/550/950VAC, 3PH, 60HZ, OR 950VAC, 3PH, 50HZ, CONTINUOUS MINER                  |
| 2G-3594A            | VOIEST-ALPINE INTERNATIONAL (TRANSFERRED TO SANDVIK)                     | 02/19/85          | MODEL AM 75, 1000V, 30PH, 60HZ, AC ALPINE MINER  |
| 2G-3612A            | E.T.E.   | 05/09/85          | MODEL ET-110, 440/460/550VAC OR 950VAC, 3PH, 50 OR 60HZ, BOOM TYPE CONTINUOUS MINER/ROADHEADER |
| 2G-3621A            | INGERSOLL-RAND TRANSFERRED TO SIMMONS-RAND CO TRANSFERRED TO LONG AIRDOX | 05/30/85          | MODEL LN200-IV, 950VAC, 3PH, 60HZ, CONTINUOUS MINER  |

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| 2G-3641A            | ROBBINS  | 10/09/85          | MODEL NO. SBM221-5001, 950VAC, 3PH, 60HZ, SHAFT BORING MACHINE       |
| 2G-3642A            | INGERSOLL-RAND<br>TRANSFERRED TO<br>SIMMONS-RAND<br>CO TRANSFERRED<br>TO LONG AIRDOX | 10/11/85          | MODEL LN200-3E/3EE, 440/550VAC, 3PH, 60HZ, CONTINUOUS MINER          |
| 2G-3644A            | INGERSOLL-RAND<br>TRANSFERRED TO<br>SIMMONS-RAND<br>CO TRANSFERRED<br>TO LONG AIRDOX | 11/06/85          | MODEL LN800,440/550/950VAC, 3PH, 60HZ, CONTINUOUS MINER              |
| 2G-3651A            | INGERSOLL-RAND<br>TRANSFERRED TO<br>SIMMONS-RAND<br>CO TRANSFERRED<br>TO LONG AIRDOX | 12/03/85          | MODEROADHEADER/COALHEADER, 950VAC, 3 PH, 60 HZ, MINING MACHINE       |
| 2G-3658A            | INGERSOLL-RAND<br>TRANSFERRED TO<br>SIMMONS-RAND<br>CO TRANSFERRED<br>TO LONG AIRDOX | 03/18/86          | MODEL LN200, 440/550/950VAC, 3PH, 60HZ, CONTINUOUS MINER             |
| 2G-3694A            | DOSCO  | 11/10/86          | MODEL R.I.S.M. CONTINUOUS MINER                                      |
| 2G-3719A            | EIMCO COAL<br>MACHINERY DIV  | 08/10/87          | MODEL 2460 CONTINUOUS MINER 440/550/950V, 3PH, 50 AND 60HZ           |
| 2G-3725A            | JOY MACHINERY  | 10/23/87          | MODEL 12CM/12HM, 440/550V, 60HZ, 3PH, A.C., CONTINUOUS MINER         |
| 2G-3733A            | INGERSOLL-RAND<br>TRANSFERRED TO<br>SIMMONS-RAND<br>CO TRANSFERRED<br>TO LONG AIRDOX | 11/25/87          | MODEL LN200, 440/550/950V, 3PH, 60HZ, ALT. CURRENT, CONTINUOUS MINER |

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| 2G-3734A            | VOEST-ALPINE<br>INTERNATIONAL<br>(TRANSFERRED TO<br>SANDVIK) | 12/03/87          | MODEL AM65, 440/550/1000V, 3PH,<br>60HZ, A.C. MINING MACHINE                    |
| 2G-3737A            | JOY<br>TEHCNOLOGIES  | 12/17/87          | MODEL 14CM, 950V, 3PH, 60HZ, A.C.<br>CONTINUOUS MINER                           |
| 2G-3572A            | JEFFREY MINING<br>MACHINERY DIV                              | 04/08/88          | TYPE 1036 HP/SRB, 995V, 3PH, 60HZ<br>A.C. CONTINUOUS MINER                      |
| 2G-3759A            | EIMCO COAL<br>MACHINERY DIV                                  | 06/03/88          | MODEL 2810, 440/550/950V, 60HZ, OR<br>950V, 50HZ, 3PH, A.C. CONTINUOUS<br>MINER |
| 2G-3763A            | SIMMONS-RAND<br>CO TRANSFERRED<br>TO LONG AIRDOX             | 08/08/88          | MODEL SR-700 & SR-900,<br>440/550/950V, 3PH, 60HZ, AC<br>CONTINUOUS MINER       |
| 2G-3780A            | FAIRCHILD<br>INTERNATIONAL<br>TRANSFERRED TO<br>JOY GLOBAL   | 11/21/88          | MODEL 410, 460/575V, 3PH, 60HZ, AC<br>CONTINUOUS MINER                          |
| 2G-3810A            | JEFFREY MINING<br>MACHINERY DIV                              | 06/27/89          | TYPE 1060 OR 1060HP, 4160V, 3PH,<br>60HZ, AC CONTINUOUS MINER                   |
| 2G-3857A            | DOSCO CORP.  | 10/13/90          | MODEL MK3, 950V, 3PH, 60HZ,<br>CONTINUOUS MINER                                 |
| 2G-3883A            | PRAIRIE MACHINE<br>PARTS MFG                                 | 08/26/91          | MODEL 8496, 4160V, 3PH, 60HZ.,<br>TWIN ROTOR MIN                                |
| 2G-3885A            | JEFFREY MINING<br>MACHINERY DIV                              | 09/11/91          | MODEL 1026, 995V, 3PH, 60HZ.,<br>CONTINUOUS MINER                               |
| 2G-3887A            | JEFFREY MINING<br>MACHINERY DIV                              | 09/27/91          | MODEL 1038, 995V, 3PH, 60HZ,<br>CONTINUOUS MINER                                |
| 2G-3916A            | JOY<br>TECHNOLOGIES  | 10/06/92          | MODEL 17CM, 950V, 3PH, 60HZ,<br>CONTINUOUS MINER                                |

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| 2G-3964A            | VOEST-ALPINE C/O<br>SMC ELEC<br>PRODUCTS INC.<br>(TRANSFERRED TO<br>SANDVIK) | 08/11/94          | MODEL ABM-20, 1000V, 3PH, 60HZ,<br>BOLTER/MINER                |
| 2G-3996A            | JOY MINING<br>MACHINERY  | 11/30/95          | MODEL 12CM/12HM, 950V, 3PH,<br>60HZ, CONTINUOUS MINER          |
| 2G-4010A            | JOY MINING<br>MACHINERY  | 06/07/96          | MODEL 14, 950V, 3PH, 60HZ,<br>CONTINUOUS MINER                 |
| 2G-4013A            | JEFFREY MINING   | 06/27/96          | MODEL 102, 460/575/950V, 3PH, 60HZ,<br>CONTINUOUS MINER        |
| 2G-4022A            | VOEST ALPINE<br>(TRANSFERRED TO<br>SANDVIK)                                  | 10/07/96          | MODEL ABM14, 1000V, 3PH, 60HZ,<br>A.C. BOLTER MINER            |
| 2G-4023A            | JOY MINING<br>MACHINERY  | 01/12/98          | MODEL 12, 2300V, 3PH, 60HZ,<br>CONTINUOUS MINER                |
| 2G-4028A            | LONG AIRDOX CO.  | 04/08/97          | MODEL CM-2000-XXX,<br>950V, 3PH, 60HZ, CONTINUOUS<br>MINER     |
| 2G-4102A            | JOY MINING<br>MACHINERY  | 10/20/00          | CONTINUOUS MINER   |
| 2G-4117A            | JOY MINING<br>MACHINERY  | 04/04/01          | CONTINUOUS MINER   |
| 2G-4135A            | JOY MINNG<br>MACHINERY   | 02/20/02          | MODEL 14, 2300V, 3PH,<br>60HA,CONTINUOUS MINER                 |
| 2G-4138A            | DBT AMERICA INC  | 07/05/02          | MODELS 30M1, 30M2 & 30M3, 995V,<br>3PH, 60HZ, CONTINUOUS MINER |
| 2G-4159A            | JOY MINING<br>MACHINERY  | 07/23/03          | MODEL 14, 950V, 3PH, 60HZ,<br>CONTINUOUS MINER                 |
| 18-A040004          | VOEST-ALPINE<br>(TRANSFERRED TO<br>SANDVIK)                                  | 05/10/04          | MODEL ABM 25, ALTERNATING<br>CURRENT CONTINUOUS MINER          |

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| 18-A050008          | PHILLIPS MACHINE<br>(TRANSFERRED TO<br>PHILLIPS GLOBAL)                     | 09/23/05          | MODEL PM-12CM/14CM<br>ALTERNATING CURRENT<br>CONTINUOUS MINER                  |
| 18-A060022          | JOY MINING<br>MACHINERY   | 07/24/06          | MODEL ED, ALTERNATING<br>CURRENT CONTINUOUS MINER                              |
| 18-A170004          | PHILLIPS<br>MACHINE<br>SERVICE, INC.<br>(TRANSFERRED TO<br>PHILLIPS GLOBAL) | 11/17/17          | MODEL CM, 950 VOLT,<br>ALTERNATING CURRENT, 3 PHASE,<br>60 Hz CONTINUOUS MINER |
| 18-A220005          | GAINWELL<br>ENGINEERING<br>GLOBAL PTE,<br>LIMITED                           | 10/25/22          | MODEL 2810, 25M AND CM200<br>SERIES, CONTINUOUS MINING<br>MACHINE              |