

Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that:

American Axle Manufacturing
AAM - Plymouth, MI
One Dauch Drive
Detroit
Michigan
48211
USA

Holds Certificate No:

EMS 69611

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

The management of environmental risk associated with manufacturing processes that include powder metal sintering, aluminum die casting, forging, metal rubber bonding, machining, ductile iron casting, and fabrication of metal automotive components.

For and on behalf of BSI:



Carlos Pitanga, Chief Operating Officer Assurance – Americas

Original Registration Date: 2003-01-22

Latest Revision Date: 2018-10-03

Effective Date: 2018-10-12

Expiry Date: 2021-10-11

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Certificate No: **EMS 69611**

Location	Registered Activities
Albion Automotive-Glasgow Facility AAM (QMS) 1187 South Street Scotstoun Glasgow G14 0DT United Kingdom	Manufacture and assembly of axles and components.
American Axle & Manufacturing, Inc. One Manufacturing Drive Three Rivers Michigan 49093 USA	Manufacture of axles and associated driveline components.
AAM Poland Sp. z o.o. ul. Szarych Szeregow 16-18 Swidnica 58-100 Poland	Manufacture of axles and associated driveline components.
Changshu AAM Automotive Driveline High Technology Manufacturing Co., Ltd. No. 16 Tonglian Rd. Yanjiang Development Zone Changshu Jiangsu 215537 China	The manufacture of axles and associated driveline components.
American Axle & Manufacturing (Thailand) Co., Ltd. RMF Rayong Manufacturing Facility 500/52 Moo 3, Thasit Sub-district Pluakdaeng District Rayong Province 21140 Thailand	Manufacture of axles and drive shafts.

Original Registration Date: 2003-01-22

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Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 345 080 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
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Location	Registered Activities
AAM - Aracucaria, Brazil Av. das Nações, 2051 Estação Araucária Paraná 83705-335 Brasil	Machining services and assembly of functional components.
American Axle & Manufacturing de Mexico AAM - Guanajuato Manufacturing Complex, Mexico Comerciantes #1300 Parque Industrial FIPASI Carretera Silao-Irapuato Km. 3 Silao Guanajuato 36100 Mexico	Manufacture of axles and associated driveline components; Manufacturer of small and medium Forgings.
HHI Formtech, LLC AAM - Plymouth, MI 18450 Fifteen Mile Road Fraser Michigan 48026 USA	Cold forging and machining operations.
HHI Formtech, LLC AAM - Troy, MI 690 West Maple Troy Michigan 48089 USA	Manufacture of specialty cold ferrous forgings and components, including surface treatment.
HHI Formtech, LLC AAM - Royal Oak, MI 2727 West 14 Mile Rd. Royal Oak Michigan 48073 USA	Hot, warm, and cold ferrous forging, including machining, heat treat, and coatings.

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Location	Registered Activities
American Axle Manufacturing AAM - Plymouth, MI One Dauch Drive Detroit Michigan 48211 USA	The management of environmental risk associated with the corporate environmental oversight activities.
Metaldyne International (UK) Ltd. AAM - Halifax, United Kingdom 131 Parkinson Lane Halifax HX1 3RD United Kingdom	Machining and assembly of fabricated metal components.
Metaldyne GmbH AAM - Zell, Germany Buchenwald Str. Z Zell am Harmersbach 77736 Germany	Forging and assembly of fabricated metal components.
Metaldyne International France SAS AAM - Lyon, France 33 Rue Roger Salengro Venissieux Cedex Lyon 69633 France	Metal rubber bonding and machining of fabricated metal components.
Metaldyne International Spain, SLU AAM - Barcelona, Spain C/ Miquel Servet, nº 22-24 Gavà Barcelona Barcelona 08850 Spain	Machining and assembly of fabricated metal components.

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Location	Registered Activities
Metaldyne M&A Bluffton, LLC AAM - Bluffton, IN 131 West Harvest Road Bluffton Indiana 46714-0477 USA	Machining and assembly of fabricated metal components.
Metaldyne Sintered Components Services, S. de R.L. de CV AAM - Ramos Arizpe, Mexico Blvd. Industria de la Transformacion 3120 Parque Ind. Saltillo - Ramos Arispe Ramos Arizpe Coahuila C.P. 25900 Mexico	Powder metal sintering and assembly of fabricated metal components.
Metaldyne SinterForge Products, LLC AAM - St. Marys, PA 197 West Creek Road St. Mary's Pennsylvania 15857 USA	Powder metal sintering and assembly of fabricated metal components.
Metaldyne Powertrain Components, Inc. AAM - Twinsburg, OH 8001 Bavaria Road Twinsburg Ohio 44087 USA	Aluminum die casting and machining of fabricated metal components.
Metaldyne SinterForge Products, LLC AAM - North Vernon, IN 3100 North State Highway # 3 North Vernon Indiana 47265 USA	Powder metal sintering and assembly of fabricated metal components.

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Location	Registered Activities
Metaldyne Sintered Ridgway, LLC AAM - Ridgway, PA 1149 Rocky Road Ridgway Pennsylvania 15853 USA	Powder metal sintering and assembly of fabricated metal components.
Metaldyne Powertrain Components, Inc. AAM - Litchfield, MI 917 Anderson Road Litchfield Michigan 49252-0177 USA	Machining and assembly of fabricated metal components.
Metaldyne BSM, LLC AAM - Fremont, IN 307 South Tillotson Fremont Indiana 46737-0615 USA	Machining of fabricated metal automotive components.
Metaldyne Sintered Components Espana SLU AAM - Valencia, Spain La Granja, 5 Almussafes Valencia 46440 Spain	Powder metal sintering and assembly of fabricated metal components.
Metaldyne Nurnberg GmbH AAM - Nurnberg, Germany Otto-Kraus-Straße 11 Nürnberg 90411 Germany	Forging and machining of fabricated metal components.

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Location	Registered Activities
Punchcraft Machining and Tooling, LLC AAM - Warren, MI 30500 Ryan Road Warren Michigan 48092 USA	Machining of tooling components.
Metaldyne Oslavany , spol. So AAM - Oslvany, Czech Republic Padochovska 1 Oslavany CZ-664 12 Czech Republic	Forging and machining of fabricated metal components.
Metaldyne Componentes Automotivos Do Brasil Ltda. AAM - Sao Paulo R. Augusto Tonin, 704, Cond. Ind. American Park. Indaiatuba São Paulo 13347-393 Brasil	Powder metal sintering and assembly of fabricated metal components.
Metaldyne Korea Limited AAM - Pyeongtaek, South Korea 893 Eoyoen-ri Cheongbuk-myeon Pyeongtaek-shi, Kyeonggi-do 17792 Republic of Korea	Machining and assembly of fabricated components.
Metaldyne Suzhou Automotive Components Co., Ltd AAM - Suzhou, China No. 178 Qingqiu Street Suzhou Industrial Park Suzhou Jiangsu 215021 China	Machining and assembly of fabricated components.

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Location	Registered Activities
Metaldyne Oslavany , spol. s.r.o. AAM - Zbysov, Czech Republic Na Lane 643 664 11 Zbysov Czech Republic	Machining and assembly of fabricated components.
Metaldyne International France SAS AAM - Decines, France 51 Rue Vaucanson, Décines Charpieu Rhône 69150 France	Metal rubber bonding and machining of fabricated metal.
Grede II LLC AAM - Brewton, AL 210 Ann Avenue Brewton Alabama 36426 USA	Ductile Iron Foundry.
Grede II LLC AAM - Columbiana, AL 130 Industrial Parkway Columbiana Alabama 35051 USA	Steel Foundry.
Grede LLC AAM - New Castle, IN 2700 East Plum Street New Castle Indiana 47362 USA	Ductile Iron Foundry.
Grede LLC AAM - Reedsburg, WI 700 Ash Street Reedsburg Wisconsin 53959 USA	Ductile Iron Foundry.

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Location	Registered Activities
Impact Forge Group, LLC AAM - Columbus, IN (Plant 1) 2805 Norcross Drive Columbus Indiana 47201 USA	Hot Forging.
Jernberg Industries, LLC AAM - Bolingbrook, IL 455 Gibraltar Drive Bolingbrook Illinois 60440 USA	Machining and assembly of fabricated components.
Jernberg Industries, LLC AAM - Chicago, IL 328 West 40th Place Chicago Illinois 60609 USA	Low hot, warm and cold forging.
Jernberg Industries, LLC AAM - Chicago, IL (plant 2) 329 Pershing Road Chicago Illinois 60609 USA	Forging - hot and warm.
Citation Lost Foam Patterns LLC AAM - Bessemer, AL 3152 Dublin Lane Bessemer Alabama 35020 USA	Foam molding for castings.

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Location	Registered Activities
Grede II LLC AAM - Biscoe, NC 530 East Main Street Biscoe North Carolina 27209 USA	Ductile Iron Foundry.
Grede Wisconsin Subsidiaries LLC AAM - Browntown, WI N2480 County Highway M Browntown Wisconsin 53522 USA	Cold forging.
Impact Forge Group, LLC AAM - Columbus, IN (Plant 2) 2705 Norcross Drive Columbus Indiana 47201 USA	Hot forging.
Grede LLC AAM - Kingsford, WI (Iron Mt.) 801 South Carpenter Avenue Kingsford Michigan 49802 USA	Ductile Iron Foundry.
Grede II LLC AAM - Menomonee Falls, WI W139 N5470 Oak Lane Menomonee Falls Wisconsin 53007 USA	Forging and machining of fabricated metal components.

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Impact Forge Group, LLC AAM - Remington, IN 18325 S. 580 West Remington Indiana 47977 USA	Cold Forging.
Grede LLC AAM - Wauwatosa, WI 6432 West State Street Wauwatosa Wisconsin 53213 USA	Ductile Iron Foundry.
Grede LLC AAM - St, Cloud, MN 5200 Foundry Circle St. Cloud Minnesota 56303 USA	Ductile Iron Foundry.
Cloyes Gear and Products, Inc. AAM - Subiaco, AR Lee Street at Highway 22 Subiaco Arkansas 72865 USA	Machining and assembly of fabricated metal components.
ACCUGEAR, an AAM Company AAM-Fort Wayne 6710 Innovation Blvd. Fort Wayne Indiana 46818 USA	Machining and assembly of fabricated metal components.

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Location	Registered Activities
MSP Industries Corporation AAM - Oxford, MI 45 W. Oakwood Road Oxford Michigan 48371 USA	Forging of metal components.
Novocast, S de R.L. de C.V. AAM - El Carmen, Mexico Carretera Monterrey-Monclova KM 12 El Carmen Nuevo León 66550 Mexico	Ductile Iron Foundry.



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