



INDUSTRY ADOPTION* OF ISO DOCUMENTS

As of 4/13/09

* Industry adoption is defined as ballot approval by the relevant Technical Committees of SAE ConAg Council for the industry sectors within the Scope of ConAg Council.

TC127 EARTH MOVING MACHINERY (Industry Sector)

ISO Number	Title	Supersede SAE in EMM Industry	Stablized Reference
1 02860:1992	Earth-moving machinery -- Minimum access dimensions		
2 02867:2006	Earth-moving machinery -- Access systems		J185
3 03411:1995	EMM - Human physical dimensions of operators and minimum operator space envelope	J154,J833	
4 03450:1996	EMM-Braking Systems of Rubber-Tired Machines - Systems and Performance Requirements and Test Procedures	J1473	
5 03457:2003	EMM - Guards - Definitions and Requirements	J1308, J321	
6 03471:1994	EMM - Roll Over Protective Structures - Laboratory tests and performance requirements	J1040	
7 04510-1:1987	Earth-moving machinery -- Service tools -- Part 1: Common maintenance and adjustment tools		
8 04510-2:1996	Earth-moving machinery -- Service tools -- Part 2: Mechanical pullers and pushers		
9 05353:1995	Earth-moving machinery, and tractors and machinery for agriculture and forestry -- Seat index point		J1163
10 05005:1977	EMM - Method for Locating the Center of Gravity	J874	
11 05006-1:1991	Earth-moving machinery -- Operator's field of view -- Part 1: Test method		J1091, J2331
12 05006-2:1993	Earth-moving machinery -- Operator's field of view -- Part 2: Evaluation method		
13 05006-3:1993	Earth-moving machinery -- Operator's field of view -- Part 3: Criteria		
14 5010:2007	EMM - Rubber-tired machines - steering requirements	J1511	
15 06014:1986	EMM - Determination of Ground Speed		
16 6015:2006	Earth-moving machinery -- Hydraulic excavators and backhoe loaders -- Methods of determining tool forces	J1179	
17 06016:1998	EMM - Methods of measuring the masses of whole machines, their equipment and components		
18 06165:2001	Earth-moving machinery -- Basic types -- Vocabulary		
19 06302:1993	Earth-moving machinery -- Drain, fill and level plugs		J371
20 06392-1:1996	Earth-moving machinery -- Lubrication fittings -- Part 1: Nipple type		
21 06392-2:1996	Earth-moving machinery -- Lubrication fittings -- Part 2: Grease-gun nozzles		
22 06393:1998	Acoustics-Measurement of Airborne Noise Emitted by EMM - Exterior noise-Stationary	J1372,J2102	
23 06394:1998	Acoustics-Measurement of Airborne Noise Emitted by EMM - Operator's Position-Stationary	J2103	
24 06395:1996	Acoustics-Measurement of exterior noise emitted by EMM - Dynamic test conditions	J2104	
25 06396:1992	Acoustics-Measurement of noise emitted by EMM - Operator ear - Dynamic test conditions	J2105	
26 06405-1:1999	Earth-moving machinery -- Symbols for operator controls and other displays -- Part 1: Common symbols		
27 06405-2:1997	Earth-moving machinery -- Symbols for operator controls and other displays -- Part 2: Specific symbols for machines, equipment and accessories		
28 06483:1994	EMM - Dumper Bodies - Volumetric Rating	J1363	
29 06484:1986	EMM - Elevating Scrapers-Volumetric Ratings	J957	
30 06485:1980	EMM - Tractor-Scraper Volumetric Rating	J741	
31 06746-1:2003	EMM - Definitions of Dimensions and Symbols - Part 1: Base Machine		
32 06746-2:2004	Earth-moving machinery -- Definitions of dimensions and codes -- Part 2: Equipment and attachments		
33 06747:1998	EMM - Tractor-dozers - Terminology and Commercial Specifications	J727,J729, J733,J749	
34 06749:1984	Earth-moving machinery -- Preservation and storage		
35 06750:1984	EMM -- Operation and maintenance -- Format and content of manuals		J920, J753
36 07096:2000	EMM - Laboratory evaluation of operator seat vibration	J1385, J1384	

37 07129:1997 EMM - Cutting edges used on tractor-dozers, graders and scrapers - Principal shapes and basic dimensions

J737, J739



ISO Number	Title	Supersede SAE in EMM Industry	
38 07131:2003	EMM - Loaders - Terminology and Commercial Specifications	J731	J1233, J732
39 07132:2003	EMM - Dumpers - Terminology and Commercial Specifications	J734,J1016	
40 07133:1994	EMM - Tractor-Scrapers - Terminology and Commercial Specifications	J728,J869	
41 07134:1996	Emm - Graders - Terminology and Commercial Specifications	J870	
42 07135:1993	EMM-Hydraulic Excavators-Terminology and Commercial Specifications	J1193	
43 07136:1998	EMM - Pipelayers - Definitions and commercial specifications	J1295	
44 07451:1998	EMM—Volumetric Ratings for hydraulic excavator buckets and backhoe loader buckets	J296	
45 07457:1997	EMM - Determination of turning dimensions of wheeled machines		
46 07464:1983	EMM - Method of Test for the Measurement of Drawbar Pull	J872	
47 07546:1983	EMM - Loader and Front Loading Excavator Buckets - Volumetric rating	J742	
48 08813:1992	EMM - Lift Capacity of Pipelayers and Wheeled Tractors or Loaders Equipped with Side Boom	J743	
49 08925:1997	Earth-moving machinery -- Diagnostic ports		
50 08927:1991	Earth-moving machinery -- Machine availability -- Vocabulary	J1032	
51 09244:1995	EMM - Safety signs and hazard pictorials - General principles		
52 09245:1991	Earth-moving machinery -- Machine productivity -- Vocabulary, symbols and units		
53 09246:1988	EMM - Crawler And Wheel Tractor Dozer Blades - Volumetric ratings	J1265	
54 09248:1992	EMM - Units for Dimensions, Performance and Capacities and their Measurement Accuracies		
55 09249:1997	Earth-moving machinery -- Engine test code -- Net power		
56 10265:1998	EMM - Crawler Machines-Performance Requirements and Test Procedures for Braking Systems	J1026	
57 10266:1992	EMM - Determination of Slope Limits for Machine Fluid Systems operation - Static test method	J897	
58 10268:1993	EMM - Retarders for dumpers and tractor-scrapers - performance tests	J1430	
59 10532:1995	EMM - Machine Mounted Retrieval Device - Performance Requiements		
60 10533:2005	EMM - Lift Arm Support Devices	J38	
61 10567:2007	Earth-moving machinery -- Hydraulic excavators -- Lift capacity		
62 10570:2004	EMM -- Articulated frame lock -- Performance requirements	J276	
63 11112:2001	Earth-moving machinery -- Operator's seat -- Dimensions and requirements		
64 12117:2000	EMM - Tip Over Protection Structure for Compact Excavators- Laboratory tests and performance requirements		
65 12508:1994	EMM - Operator Station And Maintenance Areas - Bluntness Of Edges		
66 12510:2004	Earth-moving machinery -- Operation and maintenance -- Maintainability guidelines		
67 12511:1997	EMM - Hour meters		
68 13333:1994	EMM-Dumper body Support and Operators Cab Tilt Support devices		
69 13459:1997	EMM - Dumpers - Trainer seat/enclosure		
70 13539:1998	EMM--Trenchers--Definitions and Commercial Specifications	J1382	
71 13766:2006	EMM - Electromagnetic Compatability		
72 14401-1:2004	Earth-moving machinery -- Field of vision of surveillance and rear-view mirrors -- Part 1: Test methods		
73 14401-2:2004	Earth-moving machinery -- Field of vision of surveillance and rear-view mirrors -- Part 2: Performance criteria		



ISO Number		Title	Supersede SAE in EMM Industry
74	14397-1:2002	EMM - Loaders and Backhoe Loaders - Calculation of rated operating capacity and test method for verifying calculated tipping load	J732,J818
75	14397-2:2002	EMM - Loaders and Backhoe Loaders - Test method for measuring breakout forces and lift capacity to maximum lift height	
76	17063:2003	Earth-moving machinery -- Braking systems of pedestrian-controlled machines -- Performance requirements and test procedures	
77	24410:2005	EMM - Coupling for attachment of skid steer loaders	

TC23 SC15 FORESTRY (Industry Sector)

ISO Number		Title	Supersede SAE in Forestry Industry
1	02860:1992	Earth-moving machinery -- Minimum access dimensions	
2	03411:1995	EMM - Human physical dimensions of operators and minimum operator space envelope	J154,J833
3	03450:1996	EMM-Braking Systems of Rubber-Tired Machines - Systems and Performance Requirements and Test Procedures	J1473
4	03457:2003	EMM - Guards - Definitions and Requirements	J1308
5	3600:1996	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Operator's manuals - Content and presentation	J321
6	3767-1:1998	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 1: Common symbols	
7	3767-4:1993	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 4: Symbols for forestry machinery	
8	3795:1989	Road vehicles, and tractors and machinery for agriculture and forestry - Determination of burning behaviour of interior materials	
9	04254-4:1990	Part 4: Forestry winches	
10	05010:1992	EMM -- Rubber-tired machines -- Steering requirements	J1511
11	06014:1986	EMM - Determination of Ground Speed	
12	06405-1:1999	Earth-moving machinery -- Symbols for operator controls and other displays -- Part 1: Common symbols	
13	06687:1994	Machinery for forestry -- Winches -- Performance requirements	
14	06750:1984	EMM -- Operation and maintenance -- Format and content of manuals	J920, J753
15	07135:1993	EMM-Hydraulic Excavators-Terminology and Commercial Specifications	J1193
16	07451:1998	EMM—Volumetric Ratings for hydraulic excavator buckets and backhoe loader buckets	J296
17	08082:2003	Self-propelled machinery for forestry -- Roll-over protective structures -- Laboratory tests and performance requirements	J1040
18	08083:2005	Machinery for forestry -- Falling-object protective structures -- Laboratory tests and performance requirements	
19	08084:2003	Machinery for forestry -- Operator protective structures -- Laboratory tests and performance requirements	J1084
20	09244:1995	EMM - Safety signs and hazard pictorials - General principles	



ISO Number		Title	Supersede SAE in Forestry Industry
21	11112:2001	Earth-moving machinery -- Operator's seat -- Dimensions and requirements	
22	11169:1993	Machinery for Forestry--Wheeled Special Machines--Vocabulary, Performance Test Methods and Criteria for Brake Systems	J1178

23	11512:1995	Machinery For Forestry-Tracked Special Machines - Performance criteria for Brake Systems	
24	11684:1995	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Safety signs and hazard pictorials - General principles	
25	13766:2006	EMM - Electromagnetic Compatability	
26	13852:1996	Safety of machinery - Safety distances to prevent danger zones being reached by the upper limbs	
27	13860:2000	Machinery for Forestry - Fowarders - Terms, Definitions and Commercial Specifications	J1823
28	13861:2000	Machinery for forestry—Wheeled skidders—Terms, definitions and commercial specifications	J1110,J1112
29	13862:2000	Machinery for forestry—Feller-bunchers—Terms, definitions and commercial specifications	J1255
30	14269-4:	Tractors & self-propelled machines for agr & forestry - Operator enclosure environment - Part 4: Air filter element test method	
31	14982:1998	Agr & foresty machinery - Electromagnetic compatibility - test methods & acceptance criteria	
32	17591:2002	Machinery for forestry - Knuckleboom log loaders - Identification terminology, classification and component nomenclature	J2055