Mine Safety and Health Admin., Labor

§ 56.14130 Roll-over protective structures (ROPS) and seat belts.

(a) Equipment included. Roll-over protective structures (ROPS) and seat belts shall be installed on—

(1) Crawler tractors and crawler loaders;
(2) Graders;
(3) Wheel loaders and wheel tractors;
(4) The tractor portion of semi-mounted scrapers, dumpers, water wagons, bottom-dump wagons, rear-dump wagons, and towed fifth wheel attachments;
(5) Skid-steer loaders; and
(6) Agricultural tractors.

(b) ROPS construction. ROPS shall meet the requirements of the following Society of Automotive Engineers (SAE) publications, as applicable, which are incorporated by reference:

(1) SAE J1040, “Performance Criteria for Roll-Over Protective Structures (ROPS) for Construction, Earthmoving, Forestry, and Mining Machines”, 1986; or
(2) SAE J1194, “Roll-Over Protective Structures (ROPS) for Wheeled Agricultural Tractors”, 1983.

(c) ROPS labelling. ROPS shall have a label permanently affixed to the structure identifying—

(1) The manufacturer’s name and address;
(2) The ROPS model number; and
(3) The make and model number of the equipment for which the ROPS is designed.

(d) ROPS installation. ROPS shall be installed on the equipment in accordance with the recommendations of the ROPS manufacturer.

(e) ROPS maintenance. (1) ROPS shall be maintained in a condition that meets the performance requirements applicable to the equipment. If the ROPS is subjected to roll-over an abnormal structural loading, the equipment manufacturer or a registered professional engineer with knowledge and experience in ROPS design shall ascertain that the ROPS meets the applicable performance requirements before it is returned to service.

(2) Alterations or repairs on ROPS shall be performed only with approval from the ROPS manufacturer or under the instructions of a registered professional engineer with knowledge and experience in ROPS design. The manufacturer or engineer shall certify that the ROPS meets the applicable performance requirements.