

§ 1919.77 Safe working load increase.

(a) In no case shall safe working loads be increased beyond the manufacturer's ratings or original design limitations unless such increase meets with the manufacturer's approval. Where the manufacturer's services are not available, or where the equipment is of foreign manufacture, engineering design analysis by, or acceptable to, the accredited certification agency is required. All necessary structural changes shall be carried out.

§ 1919.78 Nondestructive examinations.

(a) Wherever it is considered necessary by the accredited person or his authorized representative and wherever it is practical and advisable to avoid disassembly of equipment, removal of pins, etc., examination of structure or parts by electronic, ultrasonic, or other nondestructive methods may be carried out, provided that the procedure followed is acceptable to the Assistant Secretary and the person carrying out such examination is accredited or acceptable to the Assistant Secretary for the purpose.

§ 1919.79 Wire rope.

(a) Wire rope and replacement wire rope shall be of the same size, same or better grade, and same construction as originally furnished by the equipment manufacturer or contemplated in the design, unless otherwise recommended by the equipment or the wire rope manufacturer due to actual working condition requirements. In the absence of specific requirements as noted, wire rope shall be of a size and construction suitable for the purpose, and a safety factor of 4 shall be adhered to, and verified by wire rope test certificate.

(b) Wire rope in use on equipment previously constructed and prior to initial certification of said equipment shall not be required to be tested, but shall be subject to thorough examination at the time of initial certification of the equipment.

§ 1919.80 Heat treatment.

(a) Wherever heat treatment of any loose gear is recommended by the manufacturer, it shall be carried out in ac-

cordance with the specifications of the manufacturer.

§ 1919.81 Examination of bulk cargo loading or discharging spouts or suckers.

(a) Those portions of bulk cargo loading or discharging spouts or suckers which extend over vessels, together with any portable extensions, rigging components, outriggers, and attachment points supporting them or any of their components vertically, shall be examined annually. The examination shall be carried out with particular attention to the condition of wire rope and accessories. The equipment shall not be considered satisfactory unless, in the opinion of the accredited person or his authorized representative, it is deemed fit to serve its intended function.

§ 1919.90 Documentation.

(a) Documents issued respecting a certification function by an accredited person shall be on forms approved for such use by the Assistant Secretary and shall so state.

(b) Such documents shall be issued by the accredited person to the owners of affected equipment, attesting to satisfactory compliance with applicable requirements. The forms used shall contain the following information:

(1) Unit proof tests where required—

(i) Identification of crane or derrick including manufacturer, model number, serial number, and ownership.

(ii) Basis for assignment of safe worksigns (i.e., whether based on manufacturing load ratings, with the ratings asturer's ratings, whether for any specific service, etc.).

(iii) Proof test details noting radii and proof loads, how applied, and, where applicable, direction relative to mounting.

(iv) A statement that the test and associated examination were conducted and all applicable requirements of this subpart are met.

(v) Any necessary remarks or supplementary data, including limitations imposed and the reason thereof.

(vi) Name of accredited person and identification of authorized representative actually conducting test and/or examination.