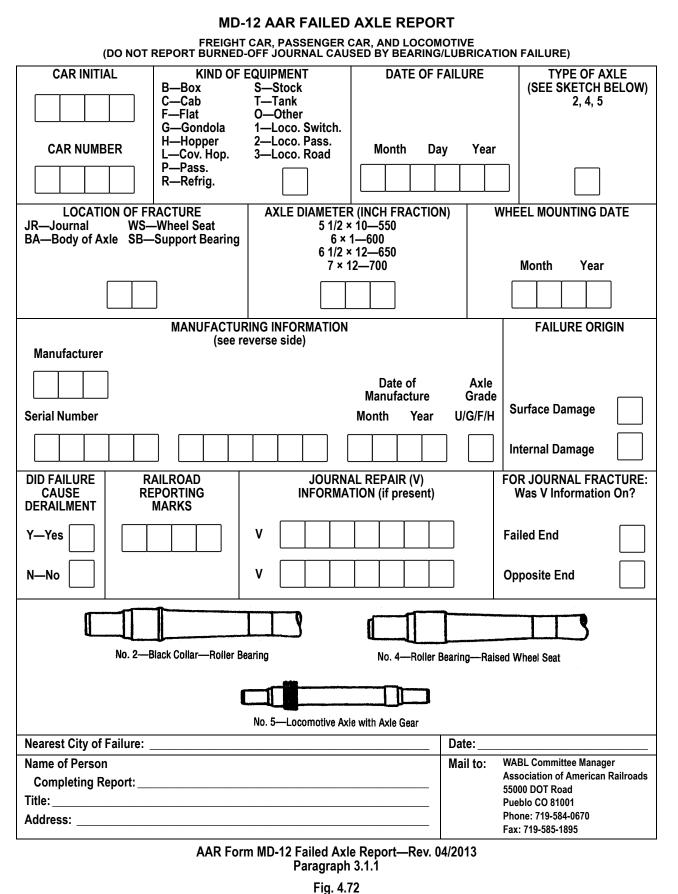
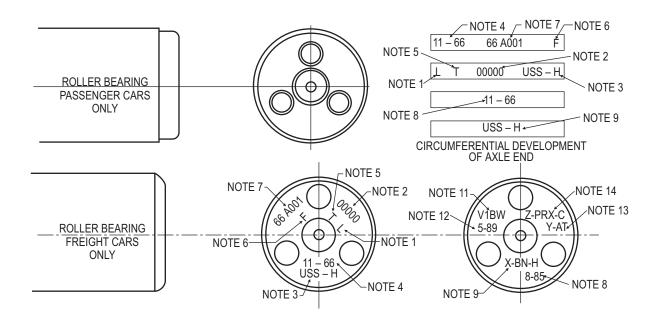
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AAR standard axle marking

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- Note 1. Laboratory acceptance stamp-for use by purchaser to marked prior to shipment by producer
- Note 2. Serial number when specified (required after 1980)
- Note 3. Mfg. Name or Brand:

AXIS	Axis LLC (Paragould AR)
	(o)
BF	Bumar-Fablock S.A. (Poland)
BS ^{a/}	Bethlehem Steel Corporation
CAF	Construcciones y Auxiliar de Ferrocarriles (CAF) (Spain)
CB ^{a/}	Cobrasma (Brazil)
CCC	CCC CNR Changchun Railway Vehicle Facilities Co.,Ltd. (China)
CF	Valdunes (formerly Creusot-Loire) (France)
CSGR	Shanxi Guorui Rail Vehicle Equipment Company Limited
CHB	Baotou (Mongolia, PRC)
CHT	Jinxi Axle Company LTD. (Formerly Norinco Jinxi) (PRC)
DDAP	DDAP/RAX (Ukraine)
DEL	CNR Datong Electric Locomotive CO., LTD (PRC)
DSS	JSC Dneprospetsstal, Zaporozhye (DSS) (Ukraine)
HM	Huta Gliwice-Osie Sp. zo.o (Poland)
JAW	Standard Forged Products
KW ^{a/}	Klockner (West Germany)
L	Lucchini Sidermeccanica SpA (Formerly Temi) (Italy)
LCKZ	LugCentroKuZ (Ukraine)
LP	Huta L. W. (Formerly Lucchini Poland) (Poland)
MK ^{a/}	Makrotek (Mexico)
MRF	Standard Forged Products (McKees Rocks, PA)
MW	MWL Rodas & Eixos LTDA (Formerly Mafersa) (Brazil)

OSW	Nippon Steel & Sumitomo Metal Corporation (Japan)
QRRS	Qiqihar Railway Rolling Stock Ltd (Qiqihar, PRC)
RW	S. C. SMR S.A. (Bals, Romania)
SCOT ^{a/}	Scot Forge
SFC or SFa/	Standard Forgings
SMI	Sumitomo Metal Industries LTD. (Japan)
SPT ^{a/}	British Steel (England)
SSD	Standard Steel LLC.
SW	SWASAP Works (South Africa)
T ^{a/}	British Steel (England)
THM or TZ	Taiyuan Heavy Industry Railway Transit Equipment Co., Ltd.
TW plus ^{a/}	Hawker Siddeley (Canada)
UF	Ural Forge (Russia)
USS-F ^{a/}	United States Steel Corp.
USS-G ^{a/}	United States Steel Corp.
USS-H ^{a/}	United States Steel Corp.
V	Valdunes (formerly Creusot-Loire) (France)
WAP	Rail Wheel Factory Indian Railways (Formerly Wheel and Axle Plant) (India)
ZB	Bonatrans a.s. (Formerly ZAD) (Czech Republic)

^{a/} No longer in production

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- Note 4. Month and year made
- **Note 5.** Letter "T" stamped adjacent to the heat number or the serial number. Axle has been ultrasonically inspected by the manufacturer (stamping not required after 1980).
- Note 6. Grade of axle:
 - U Untreated
 - G Quenched and tempered
 - F Double normalized and tempered
 - H Normalized, quenched, and tempered
- Note 7. Heat number
- Note 8. Conversion date

Note: Stamping mounting information on axles in these locations was discontinued October 1, 1972.

- Note 9. X (wheel shop symbol)
- **Note 10.** Converted axles *must be* stamped with the conversion date (Note 8. location) and the letter "X" followed by the wheel shop symbol (Note 9. location). Manufacturer's pertinent information must be reapplied to the end of axle, if available (Note 1 through Note 7).
- **Note 11.** Axles repaired by Specification M-967 processes must be stamped with the letter "V" followed by one or two sequential numbers identifying the journals repaired and by the AAR-assigned identifying marks (Note 11. location). Sequential odd numbers will be used to identify journal repairs and the end of axle on which markings are applied; sequential even numbers will be used for the other end. For example, "V1BW, V23BRX" means journal at marking end of axle repaired and followed later by both journals being repaired with journal at marking end being repaired a second time.
- Note 12. Month and year repaired
- **Note 13.** Shops that finish-machine new axles, excluding wheel seats, will show the letter "Y" followed by wheel shop symbol (Note 13. location). Axle manufacturers that finish-machine axles will use brand shown in Note 3 above.
- Note 14. Shops that end face axles per Rule 1.2.7 will show the letter Z followed by the shop symbol (Note 14 location).

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Fig. 4.72 (Concluded)