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MANUAL PREVIEW

Austin-Western

Service Manual

No. 99M
Motor Grader

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Service Manual

AW-S-99M MG

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Key to Lubrication Chart - Refer to Figure 1

REF. CHECK WEEKLY (50 to 80 HOURS OF OPERATION)

25. Transfer case)

26. Transmission)..... Check every 50 hours of operation and re-fill if necessary with SAE-140 extreme pressure lubricant. When temperatures are below 32°F., use SAE-90 extreme pressure lubricant. NEVER MIX GRADES OR KINDS OF EXTREME PRESSURE LUBRICANTS. Check oil level after grader has stood at least one hour. (See high level test plugs and filler ports at side of lubricant cases).

NOTE: Drain and flush every 500 hours of operation (or at least twice a year) with kerosene or diesel fuel. Refill with extreme pressure lubricant.

27.)
27A.) Hydraulic oil..... Check oil level pet cocks at Ref. 27 and refill with SAE-10W for temperatures of 32°F. and above. For temperatures below 32°F. use ice machine oil having a pour point of minus 40 and a viscosity of 100 seconds at 100°F. Drain and clean entire hydraulic system at least twice a year.
Battery..... Check and add distilled water if needed.

CHECK EVERY 4 WEEKS

28. Brakes..... Check the hydraulic master cylinder and refill with genuine Lockheed #21 brake fluid.

28A. Clutch brake..... With pressure gun grease. Two strokes of lubricator.

28B. Fan bearings
(A) K-428 Engine (plug in fan hub).... Re-pack with ball bearing grease. (Ball bearing grease is similar to wheel bearing grease). Remove plug and install grease fitting temporarily. Be sure to reinstall plug before starting engine.

(B) UD-14 Engine (grease fitting)..... See engine instruction book.

NOTE:

29. Vent plugs - gear carrier..... To prevent accumulation of air pressure in (front and rear axles) gear carriers.

CAUTION: Do not remove unless for cleaning because of dirt or dust stoppage. Keep air vent in plug open.

30. Engine..... See engine instruction book.

31. Bearings - pinion carrier..... After repairing or overhauling front or (front and rear axles) rear gear carrier unit, be sure to remove the pipe plugs at Ref. 31 and inject about one pint of SAE-140 or SAE-90 extreme pressure lubricant. If you do not do this you may start out with dry pinion bearings.

We recommend that you use only the best lubricants obtainable varied to suit temperature changes.