

PARTS & SERVICE NEWS

REF NO. AA98177

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SUBJECT: TANDEM DRIVE CHAIN AND LUBRICATING OIL

PURPOSE:

1. To provide an upgraded tandem chain.
2. To increase tandem chain wear life.

APPLICATION:

A500 Graders, All S/N's	830 Graders, All S/N's
A525 Graders, All S/N's	850 Graders, All S/N's
A550 Graders, All S/N's	870 Graders, All S/N's
A556 Graders, All S/N's	GD530A/AW Graders, All S/N's
A600 Graders, All S/N's	GD650A/AW Graders, All S/N's
A606 Graders, All S/N's	GD670A/AW Graders, All S/N's

FAILURE CODE: 2BH740

DESCRIPTION:

Introduction:

1. New service part numbers have been released to replace previous tandem chain service part numbers. The new chains are an upgrade and are direct replacements for the previous chains.

CHAIN TYPE	OLD NUMBER	NEW NUMBER
Planetary - Single Strand	152106	1438387H91
Non-Planetary - Double Strand	93293	1438386H91

This applies to all graders using the above old chain numbers. Refer to **PARTS & SERVICE NEWS AA97137** to determine chain wear limits.

- NOTE -

The information in this **PARTS & SERVICE NEWS** does not authorize or imply any obligation on the part of Komatsu America International Company to provide reimbursement for any expenses. Machines requiring part repair or part replacement during the machine warranty are covered under normal warranty. Out-of-warranty machines are the responsibility of the distributor/customer.

- To increase chain wear life, the tandem case lubricating oil has been changed to the following for all graders serial number 203590 and up.

APPLICATION	CAPACITY		TYPE	TEMPERATURE	TEMPERATURE
	GAL	LITER		+120 to +20°F (+49 to -7°C)	+70 to -30°F (+21 to -34°C)
TANDEM DRIVE CASE	Refer to applicable Operation & Maintenance Manual		HTF or EO	HTF	
				SAE 15W-40 or SAE 10W-30 or SAE 30	SAE 10W-40 or SAE 10W-30 or SAE 20

EO - API CE/CC or MIL-L-2104D with Sulfated Ash of 1.85% maximum and meeting NTC 400.
HTF - Hydraulic Transmission Fluid per HMS B06-0002. Komatsu P/N 1-00102H91 (Order two 5 U.S. gallons [18.0] buckets)

For severe applications serial number 203589 and below it is recommended that the Tandem Case oil be changed at the next scheduled service interval (2000 hours/1 year) to the above lubricant. For applications where chain life is not a question, continue to use ATF/Dexron III/C-4 lubricant.

SPROCKET WEAR (Non-Planetary Only)

During the normal service interval for the tandem case oil, the wheel axle shaft sprockets should be examined for wear.

Refer to Figure 1:

If the "X" dimension is more than twice the "Y" dimension then the sprocket should be replaced. Check the sprockets at four places, 90° apart.

1432375H91	Rear Shaft Weldment
1432376H91	Front Shaft Weldment

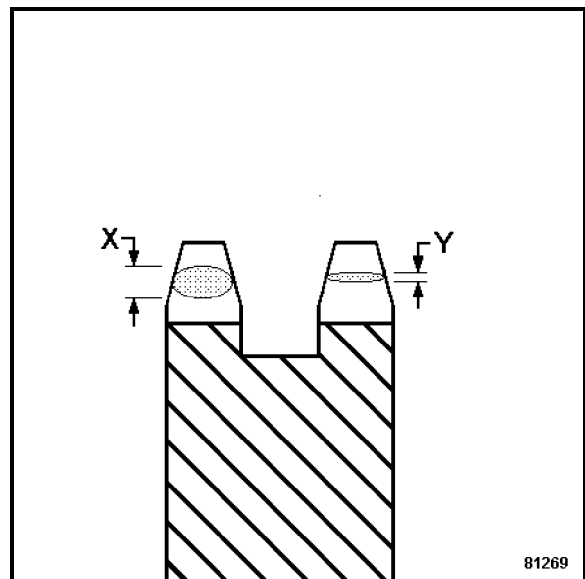


Figure 1 Sprocket Wear