

HYDRAULIC POWER SYSTEM

Check of the hydraulic Pump Drive

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1 EQUIPMENT REQUIRED

Also refer to "EQUIPMENT REQUIRED" section of documents referenced in 1.4.

1.1 Tools

None

1.2 Materials

- Grease G.355
- White spirit

1.3 Routine replacement parts

None

1.4 Reference documents

Maintenance Manual (MET) W.C. 29.10.10.401 - 63.00.00.401.

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2 SPLINE GREASING AND BEARING (6) CHECK (Fig. 1)

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- Remove belt (1).
- Remove hydraulic pump (5) as per W.C. 29.10.10.401.
- Clean and check the hydraulic pump drive.
- Grease the splines on the drive shaft.
- Check for any binding, brinelling or noise from the bearing (6).

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BEARING REJECTION CRITERIA : Binding, brinelling or noise.

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- Install the hydraulic pump (5) as per W.C. 29.10.10.10.401.
- Pack the inside of the hub (4) with abundant G.355 grease.

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3 HYDRAULIC PUMP DRIVE SPLINE CHECK (Fig. 1)

- Remove belt (1).
- Make a mark on pulley (2) and on pump mount (3).
- Rotate pulley (2) from left to right manually.

NOTE : The maximum permissible wear of 0.35 mm (.013 in) corresponds to 1/3 of the tooth depth at the cutting pitch circle or to an angular play of 6°30'.

REJECTION CRITERIA : The distance measured between the two marks should not be greater than 4 mm (.157 in).

J (4 mm (.157 in)

- Fit and adjust the tension in the drive belt (1) as per W.C. 63.00.00.601.

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Description	Documentation	Limit	CL
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29-10 MAIN HYDRAULIC SYSTEM

VALVE FILTER UNIT	MET 29.10.10.402	500 H // 2 Y	*
PRE MOD 071778. Replacement of the filter element.			

VALVE FILTER UNIT	MET 29.00.00.302	500 H // 2 Y	*
POST MOD 071778 and PRE MOD 072453. Clean the filter element.			

ACCUMULATOR	MET 29.10.10.302	500 H // 2 Y	
Test.			

<u>HYDRAULIC PUMP - DRIVE SHAFT AND BEARING</u>	MET 29.10.10.601	<u>500 H</u> // 2 Y	
<u>Check and greasing.</u>			

HYDRAULIC UNIT FILTER	MET 29.10.10.402	1000 H // 4 Y	*
POST MOD 071778 and PRE MOD 072453. Replace the filter element.			

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