361 and 407
Diesel Engine & Fuel System

Service Manual

GSS-1346G

MidWestTech | Case 361, 407 Fuel System and Diesel Engine Service Manual | Publication GSS-1346G

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CONTENTS

Page

SPECIFICATIONS

Engine 4

Injection Pump Timing 14
Turbocharger 14
Fuel Rater Specifications 15
Special Torques 20

Injection Pump

Pump Number

610 689 C91 . . . . . 22, 23
610 440 C91 . . . . .
702 476 C91 . . . . .
702 476 C92 . . . . .
672 711 C91 . . . . .
702 477 C91 . . . . . 24, 25
702 477 C92 . . . . .
672 374 C91 . . . . .
627 083 C91 . . . . . 26, 27
672 709 C91 . . . . .
625 150 C91 . . . . .
672 737 C91 . . . . .
627 082 C91 . . . . . 28, 29
702 520 C92 . . . . .

Springs (pump number)

610 689 C91 30
702 476 C91 . . . . .
610 440 C91 . . . . .
702 476 C91 and C92 31
702 477 C91 and C92 . . . . .
672 711 C91 32
627 083 C91 . . . . .
672 374 C91 33
672 709 C91 . . . . .
625 150 C91 34
672 737 C91 . . . . .
672 713 C91 35
672 373 C91 . . . . .
627 082 C91 36
702 520 C92 . . . . .

Flow Bench Adjustments (pump number)

610 689 C91 38
610 440 C91 . . . . .
702 476 C91 . . . . .
702 476 C92 . . . . .
672 711 C91 . . . . .

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Page

Flow Bench Adjustments (pump number) - Continued

702 477 C91 39
702 477 C92 39
672 374 C91 39
627 083 C91 40
672 709 C91 40
625 150 C91 40
672 737 C91 40
672 713 C91 41
672 373 C91 41
627 082 C91 42
702 520 C92 42

Fuel Rater Specifications 43

Injection Nozzles 44

SPECIFICATIONS

ENGINE

Models	806 & 1206 Series	856, 1256 & 1026 Series	1456 Tractor
Engine	D-361 & DT-361	D-407 & DT-407	DT-407
General			
Number of cylinders	6	6	6
Type of cylinder sleeves		Replaceable, dry	
Bore and stroke - inches	4-1/8 x 4-1/2	4-5/16 x 4-5/8	4-5/16 x 4-5/8
Displacement - cubic inches	361	407	407
Engine Speed - rpm			
High idle	2630 ± 10	2640 ± 10 (See Note 1)	2640 ± 10
Low idle	700 ± 25	650 ± 25	650 ± 25
Rated load	2400 ± 10	2400 ± 10	2400 ± 10
Compression ratio	17:1	17:1	17:1
Compression pressure - psi			
Cranking speed @ 125 rpm	365 - 410	350 - 425	350 - 425
Injection pump timing - static		Refer to page 14	

NOTE 1: High Idle for 1026 is 2610 ± 10 rpm.

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Engine

Models	815 Combine	915 Combine	S11A Paylogger
Engine	D-407	DT-407	DT-407
General			
Number of cylinders	6	6	6
Type of cylinder sleeves		Replaceable, dry	
Bore and stroke - inches	4-5/16 x 4-5/8	4-5/16 x 4-5/8	4-5/16 x 4-5/8
Displacement - cubic inches	407	407	407
Engine Speed - rpm			
High idle	2700 ± 25	2700 ± 25	2750 ± 10
Low idle	750 ± 25	750 ± 25	700 ± 25
Rated load	2500 ± 10	2500 ± 10	2500 ± 10
Compression ratio	17:1	17:1	17:1
Compression pressure - psi Cranking speed @ 125 rpm	350 - 425	350 - 425	350 - 425
Injection pump timing - static		Refer to page 14	

Models	806 & 1206 Series	856,1256, 1026 Series & 815 Combine	1456 Tractor, 915 Combine & S11A Paylogger
Engine	D-361 & DT-361	D-407 & DT-407	DT-407
Crankshaft			
Crankpin, diameter - inches	2.998 - 2.999	2.998 - 2.999	2.998 - 2.999
Main journal diameter - inches	3.3742 - 3.3755	3.3742 - 3.3755	3.3742 - 3.3755
Maximum permissible journal out-of-roundness, before reconditioning - inch	.003	.003	.003
Number of main bearings	7	7	7
Main bearing running clearance - inch	.0018 - .0051	.0018 - .0051	.0018 - .0051
Maximum permissible main bearing clearance, before reconditioning - inch	.006	.006	.006
End clearance - inch	.007 - .0185	.007 - .0185	.007 - .0185

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