

777F Transmission

Hastings Deering (Australia) Ltd.
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Transmission Test Results

Customer	MINESPEC				
Model Number	777F	Component No	LSP00912	Date	23-03-2021
Job Number	117302096-02	Arrangement No	2462647		
Serial Number	JRP???????	ID Number	7233		

Pressure Checks					
	Units	Min	Measured	Max	
Low Idle Pump Relief	psi	410	414	415	PASS
High Idle Pump Relief	psi	440	447	465	PASS

Lube Flow & Pressure (Final Pressure Test – Low Idle)									
Gear	N1	R	1	2	3	4	5	6	7
Flow (gpm)	25	26	26	25	24	26	25	24	23
Pressure (psi)	3	3	3	3	3	2	3	2	2
Result	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Lube Flow, Pressure & Leakage (Final Pressure Test – High Idle)									
Gear	N1	R	1	2	3	4	5	6	7
Flow (gpm)	42	42	42	42	42	42	41	41	40
Pressure (psi)	7	7	7	7	7	6	6	6	6
Leakage (gpm)	2.3	2.1	2.3	2.1	3.4	2.0	3.3	3.6	4.8
Result	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Solenoid Resistance Test	
Solenoid 1	10
Solenoid 2	10
Solenoid 3	10
Solenoid 4	10
Solenoid 5	10
Solenoid 6	10
Solenoid 7	10

Final Clutch Pressure Chart (Low Idle)								
Gear		Clutch 1	Clutch 2	Clutch 3	Clutch 4	Clutch 5	Clutch 6	Clutch 7
N	Min	381						
	Measured	394						
	Max	421						
R1	Min	381						370
	Measured	396						381
	Max	421						410
F1	Min		316				337	
	Measured		333				342	
	Max		356				377	
F2	Min	381					337	
	Measured	395					341	
	Max	421					377	
F3	Min			242			337	
	Measured			249			340	
	Max			282			377	
F4	Min	381				329		
	Measured	395				339		
	Max	421				369		
F5	Min			242		329		
	Measured			250		338		
	Max			282		369		
F6	Min	381			189			
	Measured	394			194			
	Max	421			229			
F7	Min			242	189			
	Measured			249	194			
	Max			282	229			

Note: pressures are ± 10 of average of the last 42 transmissions.

Final Clutch Pressure Chart (High Idle)								
Gear		Clutch 1	Clutch 2	Clutch 3	Clutch 4	Clutch 5	Clutch 6	Clutch 7
N1	Min	395						
	Measured	404						
	Max	435						
R1	Min	395						380
	Measured	405						390
	Max	435						420
F1	Min		321				344	
	Measured		340				347	
	Max		361				384	
F2	Min	395					344	
	Measured	404					347	
	Max	435					384	
F3	Min			249			344	
	Measured			253			346	
	Max			289			384	
F4	Min	395				336		
	Measured	405				345		
	Max	435				376		
F5	Min			249		336		
	Measured			254		344		
	Max			289		376		
F6	Min	395			193			
	Measured	404			199			
	Max	435			233			
F7	Min			249	193			
	Measured			254	198			
	Max			289	233			

Note: pressures are +_ 10 of average of the last 42 transmissions.