



Engineering Chart

Sheet No.

(6-02)

Of

Subject 6-13

File _____

Appn. _____

Date _____

By _____

JULY 8 2003

- COMPLETE SERVICE ON ENG & Comp.
- REPLACE ENGINE CYLINDER HEADS.

SEPT 2/03

COMPLETE SERVICE ON ENG & Comp.

COMPRESSION	TEST	
	1.	225 PSI
	2.	220 PSI
	3.	220 PSI
	4.	220 PSI
	5.	215 PSI
	6.	215 PSI

Equip. #	Description	Location	W.O. #	Date Completed	Parts Used	Comments
PEF-409	1000HR-1500HR Engine P.M.	Peco Field 06-13-49-16W5	9703351	04/10/03		-All tasks were completed. Compression: 1 2 3 4 5 6 175 175 180 180 180 180
			9703304	02/13/03		-All tasks were completed. Compression: 1 2 3 4 5 6 195 190 200 200 190 190
			9703142	08/07/02		-All tasks were completed. Compression: 1 2 3 4 5 6 210 200 205 185 220 220

EQUIP. #	DESC.	LOCATION	W.O. #	DATE COMPLETED	PARTS USED	COMMENTS
PEF-409	1000HR-1500HR Engine P.M.	Peco Field 6-13-49-16W5	9703269	12/09/02		<ul style="list-style-type: none">All tasks completed except test all safety shut-down devices.Compression Test: 1 2 3 4 5 6 195 180 190 185 190 200
			9703077	6/05/02		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 180 180 200 200 180 200 psi
			9703028	4/03/02		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Bored out 2nd stage cylinder on comp and had it resprayed to standard bore.Also had rider type piston rings made.All machining was done by Compressor Components.Compressor Test: 1 2 3 4 5 6 195 205 210 205 200 205 psi
			9702955	1/31/02		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 200 203 200 203 203 203 psi
			9702907	11/27/01		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test was not done
			9702803	09/27/01		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 200 205 202 205 205 200 psi
			9702645	07/24/01		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test was not done
			9702583	05/22/01		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 180 190 185 185 185 180 psi

EQUIP. #	DESC.	LOCATION	W.O. #	DATE COMPLETED	PARTS USED	COMMENTS
PEF-409	1000HR-1500HR Engine P.M.	Peco Field 6-13-49-16W5	9702583	05/22/01		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 180 190 185 185 185 180 psi
			9702475	03/20/01		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 200 210 205 205 200 210 psi
			9702387	01/15/01		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 225 225 225 230 223 225 psi
			9702324	11/13/00		<ul style="list-style-type: none">Matt requested this w.o. be closed.
			9702247	11/14/00		<ul style="list-style-type: none">All tasks were completed.Compressor Test: 1 2 3 4 5 6 225 225 224 225 220 215 psi
			9702091	9/08/00		<ul style="list-style-type: none">All tasks were completed.Compressor Test: 1 2 3 4 5 6 220 215 220 208 212 210 psi
			9702004	07/06/00		<ul style="list-style-type: none">All tasks were completed.Compressor Test: 1 2 3 4 5 6 210 220 220 220 210 215 psi
			9701948	05/10/00		<ul style="list-style-type: none">All tasks were completed.Installed new ignition system on engine (Peacock)Compressor Test: 1 2 3 4 5 6 215 210 220 215 210 210 psi
			9701870	03/07/00		<ul style="list-style-type: none">All tasks were completed.Replaced CERAMAG generator on Jan 24/2000 (New bearings)Compressor Test: 1 2 3 4 5 6 225 220 220 220 220 220 psi
			9701802	01/5/2000		<ul style="list-style-type: none">All tasks were completed.Compressor Test: 1 2 3 4 5 6 215 210 215 210 215 225 psi

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PEF-409	1000HR-1500HR Engine P.M.	Peco Field 6-13-49-16W5	9701802	01/5/2000		<ul style="list-style-type: none">All tasks were completed.Compressor Test: 1 2 3 4 5 6 215 210 215 210 215 225 psi
			9701716	8/26/99		<ul style="list-style-type: none">All tasks were completed.Compressor Test: 1 2 3 4 5 6 220 215 220 220 210 215 psi
			9701547	6/25/99		<ul style="list-style-type: none">All tasks were completed.Reconditioned cylinder heads (Chinook).New piston rings (re-used pistons).New conn rod and main bearings.Pistons, piston pins, and small end bushings were all OK.
			9701478	4/20/99		<ul style="list-style-type: none">All tasks were completed at the same time as w.o. #9701478.
			971424	4/20/99		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 210 200 220 220 210 210 psi
			9701311	02/11/99		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Replaced both bearings on generator drive jack shaft.Compressor Test: 1 2 3 4 5 6 220 220 225 225 215 235 psi
			9701239	12/08/98		<ul style="list-style-type: none">All tasks were completed except:did not check and test all safety shut down devicesdid not check coolant strengthdid not check carburator diaphragmsReplaced alternator jack shaft bearings – worn badly.Compressor Test: 1 2 3 4 5 6 205 205 210 210 205 205 psi
			9701055	10/08/98		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 205 210 205 220 210 205 psi
			9700982	7/28/98		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 215 225 220 250 220 220 psi

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PEF-409	1000HR-1500HR Engine P.M.	Peco Field 6-13-49-16W5	9701239	12/08/98		<ul style="list-style-type: none">All tasks were completed except:did not check and test all safety shut down devicesdid not check coolant strengthdid not check carburator diaphragmsReplaced alternator jack shaft bearings – worn badly.Compressor Test: 1 2 3 4 5 6 205 205 210 210 205 205 psi
			9701055	10/08/98		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 205 210 205 220 210 205 psi
			9700982	7/28/98		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 215 225 220 250 220 220 psi
			9700933	6/15/98		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 200 220 220 215 215 212 psi
			9700858	3/04/98		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 225 223 225 210 220 222 psi
			9700765	3/04/98		<ul style="list-style-type: none">Tasks were completed at the same time as w.o. 9700858.
			9700706	11/26/97		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut down devices.Compressor Test: 1 2 3 4 5 6 200 220 220 215 215 220 psi
			9700599	9/24/97		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut-down devices.Changed oil from Esso GLX30 to Conoco Hydroclear.Compressor Test: 1 2 3 4 5 6 230 225 230 220 215 215 psi
			9700522	7/23/97		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut-down devices.Compression Test: 1 2 3 4 5 6 205 225 205 227 214 215 psi

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PEF-409	1000HR-1500HR Engine P.M.	Peco Field 6-13-49-16W5	9700522	7/23/97		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut-down devices.Compression Test: 1 2 3 4 5 6 205 225 205 227 214 215 psi
			9700209	5/20/97		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut-down devices.Aux water pump in poor condition.Will rebuild or replace.Compression Test: 1 2 3 4 5 6 226 230 233 230 225 227 psi
			9700124	3/17/97	<ul style="list-style-type: none">oiloil filterspark plugsvalve cover gasketswater pump belts"o" ringsgen. belt	<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut-down devices.Replaced main water pump belts and gen. drive power band.Lube oil screen not cleaned.Compression Test: 1 2 3 4 5 6 222 230 232 232 230 225 psi
			9700024	3/17/97		<ul style="list-style-type: none">Tasks were completed at the same time as w.o. 9700124.
			9600397	1/08/97		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut-down devices.Replaced bearings on alternator jack shaft.Compression Test: 1 2 3 4 5 6 220 225 225 225 225 225 psi
			9600249	10/24/96	<ul style="list-style-type: none">oiloil filterspark plugsvalve cover gasketsidler bearing	<ul style="list-style-type: none">All tasks were completed.Replaced idler on fan drive belts from engine to tack shaft.Cooling fan blade pitch changed to 10° for winter. Must be returned to 16° for summer.Compression Test: 1 2 3 4 5 6 215 220 225 225 212 222 psi□
			9600176	8/02/96		<ul style="list-style-type: none">All tasks were completed except did not check and test all safety shut-down devices.Rewired # 5 primary lead. Fitted Cannon connector and wire assembly to shielding.Compression Test: 1 2 3 4 5 6 210 215 225 220 215 210 psi

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PEF-409	1000HR-1500HR Engine P.M.	Peco Field 6-13-49-16W5	9600249	10/24/96	<ul style="list-style-type: none"> oil oil filter spark plugs valve cover gaskets idler bearing 	<ul style="list-style-type: none"> All tasks were completed. Replaced idler on fan drive belts from engine to tack shaft. Cooling fan blade pitch changed to 10° for winter. Must be returned to 16° for summer. Compression Test: 1 2 3 4 5 6 215 220 225 225 212 222 psi
			9600176	8/02/96		<ul style="list-style-type: none"> All tasks were completed except did not check and test all safety shut-down devices. Rewired # 5 primary lead. Fitted Cannon connector and wire assembly to shielding. Compression Test: 1 2 3 4 5 6 210 215 225 220 215 210 psi
			9600117	6/03/96		<ul style="list-style-type: none"> All tasks were completed. Replaced primary jack shaft sheeve from 15" to 12". Changed fan pitch to 16 for summer. Compression Test: 1 2 3 4 5 6 220 223 230 230 225 230 psi
			9600051	4/03/96		<ul style="list-style-type: none"> All tasks were completed. Compression Test: 1 2 3 4 5 6 220 232 235 230 225 230 psi
			9600005	1/30/96		<ul style="list-style-type: none"> All tasks were completed except did not check Safety shut-down devices. Compression Test: 1 2 3 4 5 6 215 230 215 226 230 220 psi
			9500272	11/23/95		<ul style="list-style-type: none"> All tasks were completed. Did not check Safety shut-down devices Coolant strength -43°C. Compression Test: 1 2 3 4 5 6 230 232 233 230 225 225 psi

Sep 5/95.

Comp. Test.

1 225
2 230
3 230
4 230
5 225
6 225.

Change oil & filter
Sampled.

Change spark bolts.

Check timing

Set valves

Check all bolts & brgs.

~~Change oil~~

Repaired 1st. Disc bottle braces.

Check & clean air filter.