

DIRECTORATE GENERAL BORDER ROADS
GENERAL MAINTENANCE INSTRUCTION NO- 30

ON

PERIODIC MAINTENANCE AND SERVICE SCHEDULE FOR PH INDEC ENGINES FITTED ON TO HOT/SPOT MIX PLANT

S/No.	Group	Daily	Every 250 Hrs	Every 500 Hrs	Every 1000 Hrs	Every 2000 Hrs
1.	ENGINE	1. Check the lubricating oil level dipstick and top up if necessary.	1. Drain the sump, flush out with paraffin and refill with new oil clean the oil strainer. 2. Check cylinder head joints are leaking and tighten nuts bolts and keys. 3. *Check valve clearance and adjust if necessary	-	1. * Remove cylinder head, decarbonise piston top and insides of inlet & exhaust ports. 2. *Examine the grind in if necessary, the inlet and exhaust valves. 3. *Withdraw the pistons carefully clean out oil return holes examine the cylinder bore	1. * Examine large and bearings and replace if clearance is excessive.
2.	COOLING SYSTEM	1. Check the cooling system in order and free from obstruction.	-	-	-	-
3.	AIR CLEANER	-	1. Clean the air cleaner.	1. *Replace the element	-	-
4.	FUEL FILTER AND TANK	-	1. Make sure that vent hole in the fuel tank filter cap is clear.	1. *Replace the fuel filter element.	-	Thoroughly clear the fuel tank and remove the sludge.

5.	INJECTION SYSTEM	-	* Remove injectors and test spaiy in order replace with out interference. Test fuel system for leakage..	-	* Clean button filter in the fuel pump delivery pipe union at the injector end.	-
6.	LUBRICATION SYSTEM	-	* Fit new lubricating oil filter element and joint ring.	-	-	* Wash out lubricating oil system.

* Note :- Points marked * be carried out by maintaining workshop only.