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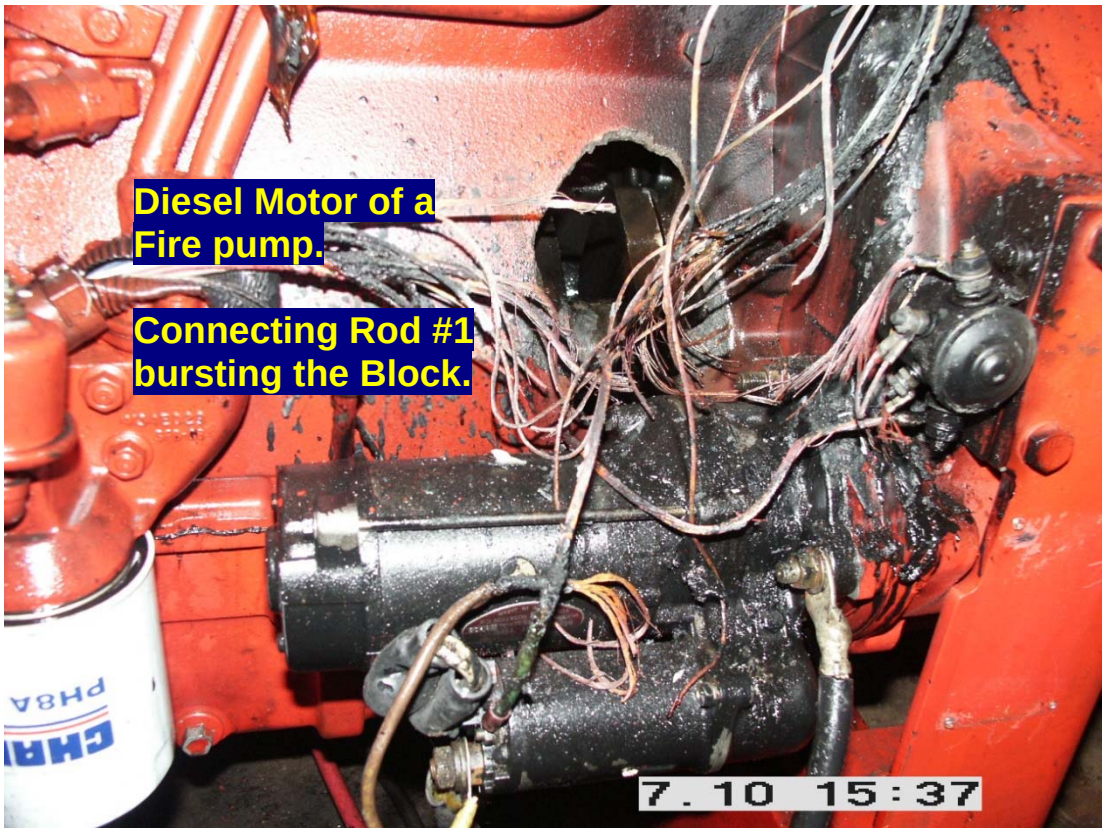
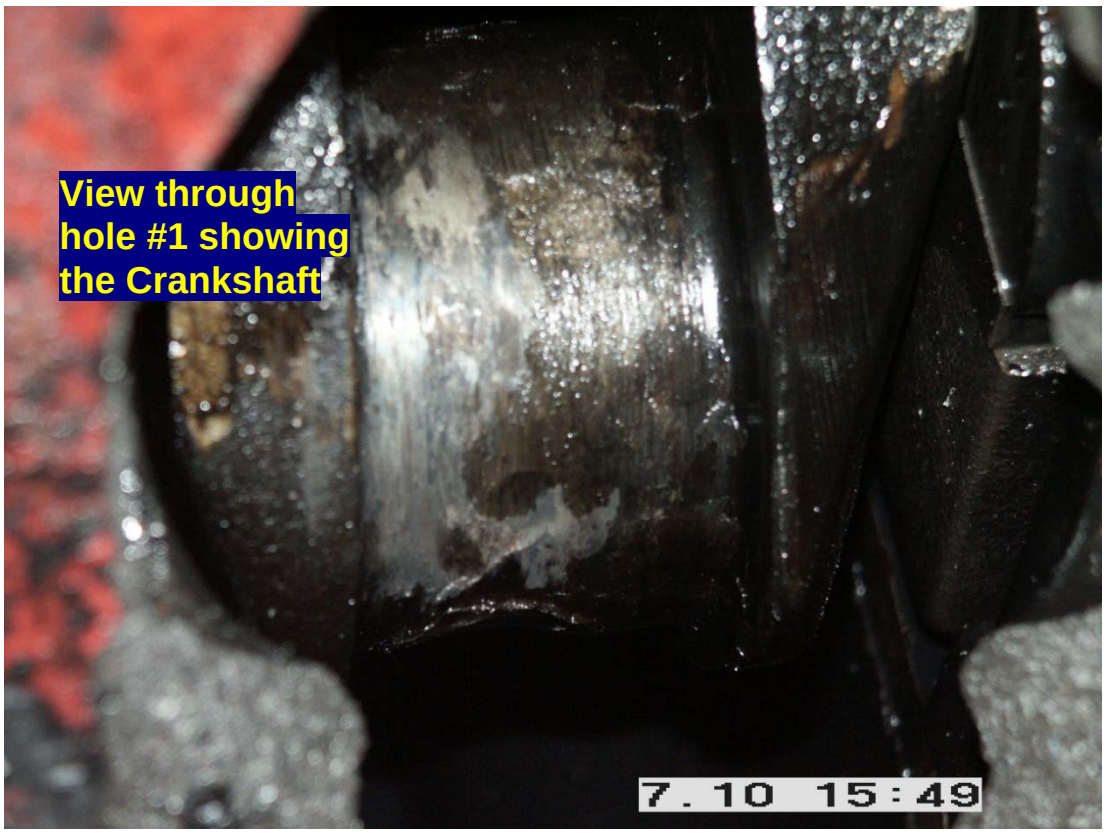
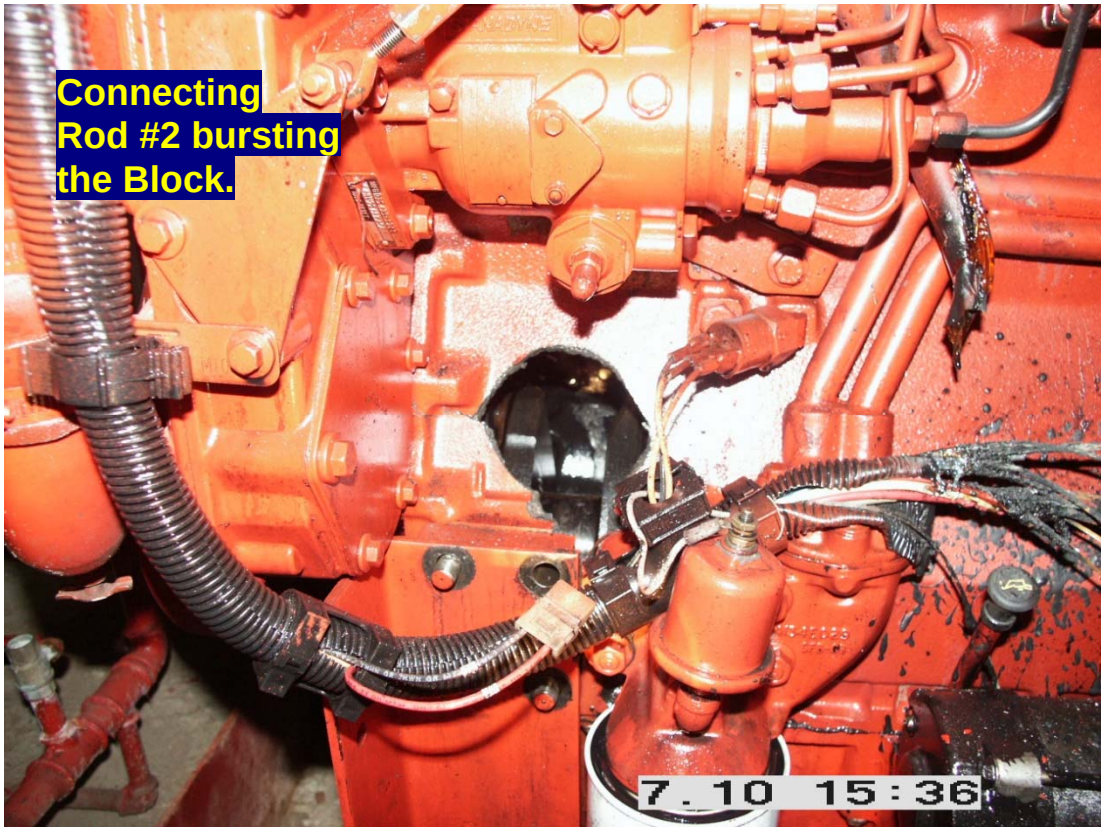
FAILURE OF FIRE PUMPS DIESEL ENGINES

CASE # 1





CASE # 1, Cont'd.,



REMARKS:

Heat Exchanger is full of water.

Oil level is normal.

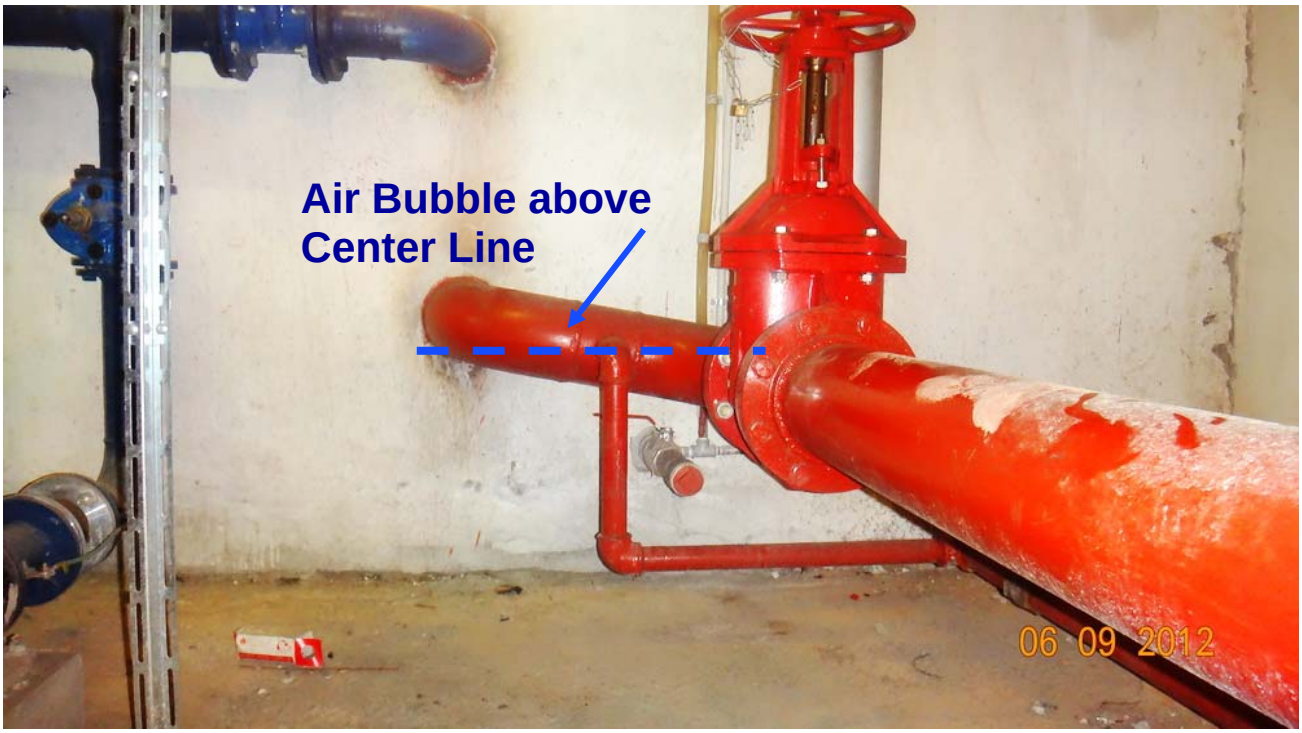
The Engine was damaged due to depletion of water in the water reservoir.

CASE # 2

Fire Pump Room in the basement of High Rise residential Building. The Reservoir was cleaned by a contractor. Upon refilling the reservoir an Air Bubble was created in the Suction Line causing operational problems in the Jockey Pump. That led to frequent stating in the Fire Pump.

Adding to the above problem there was lack of water in the engine's heat exchanger.

The result was faulty cooling that led to the failure of the engine.

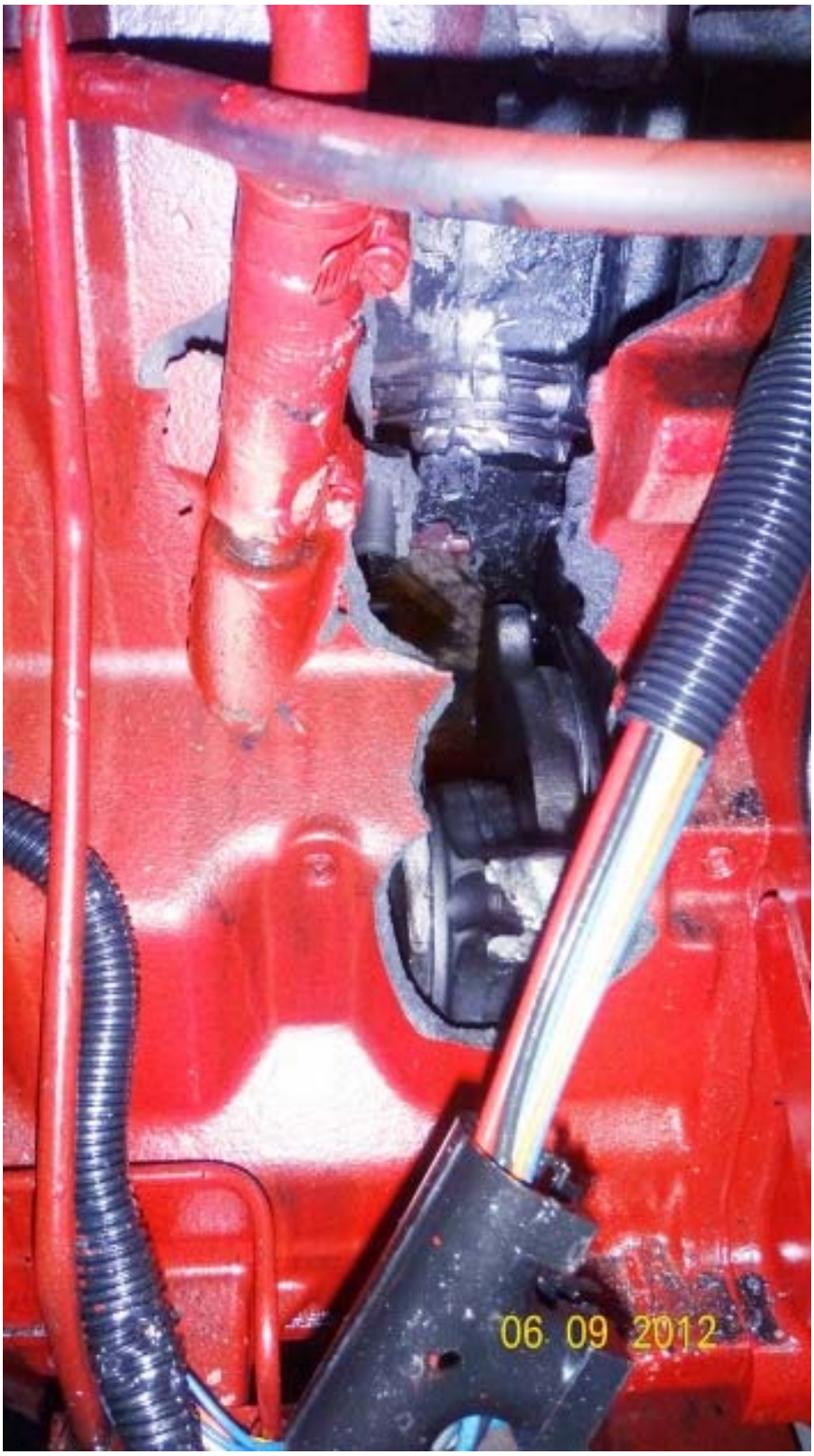


CASE # 2, Cont'd.,

Fire Pump Room in the basement of High Rise residential Building.

CASE # 2, Cont'd.,

Bursting of the motor's Block.



CASE # 2, Cont'd.,

Bursting of the motor's Block next to the starter.

See below the detached Starter.