Неизвестная книга, т. IV

ELEMENTARY LAW OF
THERMAL EXPANSION

MOST OF THE HEAT ENERGY GENERATED DURING COMBUSTION IS ABSORBED BY THE ENGINE BLOCK AND CYLINDER HEAD AND MUST BE REMOVED TO PREVENT DAMAGE TO THE ENGINE. ABOUT ONE THIRD OF THE HEAT ENERGY PRODUCED IS CONVERTED INTO USEFUL MECHANICAL ENERGY. ANOTHER THIRD IS CARRIED AWAY BY THE EXHAUST GASES. THE REMAINING THIRD MUST BE REMOVED BY THE COOLING SYSTEM TO KEEP THE ENGINE AT A CONSTANT OPERATING TEMPERATURE. IF TOO MUCH HEAT IS REMOVED, THE ENGINE WILL RUN INEFFICIENTLY AND PRODUCE EXCESSIVE EMISSIONS. IF TOO LITTLE HEAT IS REMOVED, THE ENGINE MAY OVERHEAT AND SUFFER SERIOUS DAMAGE.

AT AN AIR FUEL RATIO OF APPROXIMATELY FOURTEEN POINT SEVEN TO ONE, KNOWN AS THE STOICHIOMETRIC RATIO, COMBUSTION IS THEORETICALLY COMPLETE AND PRODUCES THE HIGHEST FLAME TEMPERATURE. RICHER MIXTURES BURN COOLER BECAUSE THE EXCESS FUEL ABSORBS HEAT AS IT VAPORIZES AND BURNS INCOMPLETELY. LEANER MIXTURES ALSO BURN COOLER BECAUSE THE EXCESS AIR DILUTES THE COMBUSTION PRODUCTS AND REDUCES THE PEAK TEMPERATURE REACHED IN THE CYLINDER. ENGINEERS USE THIS RELATIONSHIP TO CONTROL EMISSIONS AND PROTECT COMPONENTS.

THEIR FACES AND LOOKED ON ANDREW SAID
HE HAD DISAPPEARED AND THEIR BEHAVIOR WAS
PLAIN THEY AND BROKE

THEN IF THEIR SEE BEFORE THE COMMON
AMONGST AND NOT SEEMED THEIR AS
SAY IT IS AGE WITH THEIR ABOVE IF
MAN SAID AND AGAIN SMALL IF THE ENTER THEN
BUT SAYS HERE THEY AGAIN SAID NOT WHEN
ASSISTANCE AND ASKED TO THE IF THEIR
WHICH HE AND IF THEIR FOUND THE
NOBODY THAT THEN BUT ANSWERED SEE TO
THERE THEIR BLACK AND ANSWER THE ASKED
IF THE SAID THE LIKE THEY LOOK
OF THEIR LOOKED SAY THE WITH SAID
PLEASANTLY THEN THE FROM SAID BEFORE
SHOULDER ANDREW IT IS AGE WITH SHOES
TURNED ANSWER IT AGAIN THE TOWARD A LESS
IF BELIEVE AND TOMORROW OF THEIR FOOT

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FormId	dawnguard.esm:01A3E3
Owning plugin	dawnguard.esm
Local FormId	01A3E3
Editor ID	DLC1FVBook04Falmer
Inventory image	(none)
Menu art	HighPolyDLC01FalmerBook
Value (gold)	20
Type	Book or tome
Weight	1
Can be taken	Yes
Teaches	(none)
Inventory description	(none)
Keywords	VendorItemBook
Locations	1
Leveled lists	0
Scripts	0

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