

ROCEEDINGS

THE DUAL FUEL ENGINE ALTERNATIVE FUELS

SECTION-I

PERFORMANCE AND EMISSION CHARACTERISTICS OF AN INDIRECT INJECTION COMPRESSION IGNITION ENGINE WITH 810-GAS SUBSTITUTION

SOME EXPERIENCE ON THE OPERATION OF SCOOTER AND MOPED ENGINES USING METHANOL

ALCOHOL AND COAL DISTILLATE AS ALTERNATIVE FUELS IN HIGH SPEED DIESEL ENGINES OPERATION

EQUIPPING A FORMER TRUCK DIESEL ENGINE ON TWO GAS FUELING

PETROL AND PETROL-ETHYL ALCOHOL BLENDS AS FUEL FOR MULTI-CYLINDER S.I. ENGINES

USE OF NON-EDIBLE VEGETABLE OILS AS FUEL FOR DIESEL ENGINE

FIELD TRIALS USING PURE METHANOL AS A FUEL IN TWO STROKE MOPED ENGINE

PERFORMANCE AND EMISSION STUDIES ON 2-STROKE ENGINE USING GASOLINE ALCOHOL BLENDS

METHANOL M 100 APPLICATION IN A FORMER DIESEL ENGINE

COMBUSTION CHARACTERISTICS OF ALCOHOL FUELLING

ALCOHOL FUELLING WITH CARBURETION AND SPARK IGNITION PERFORMANCE AND EMISSION STUDIES

COMBUSTION RATE ANALYSIS OF A SURFACE IGNITED METHANOL FUELLED ENGINE

COMBUSTION ANALYSIS IN A COMPRESSION IGNITION ENGINE USING VEGETABLE OIL

CONVERSION OF AN EXISTING DIESEL ENGINE TO HYDROGEN FUELLED S.I. ENGINE

PERFORMANCE CHARACTERISTICS OF AN LPG FUELLED TWO-STROKE S.I. ENGINE

SOME INVESTIGATIONS ON THE PERFORMANC OF CHARCOL GAS RUN C.I. ENGINE USING DIESEL PILOT INJECTION PERFORMANCE EVALUATION OF A DIESEL ENGINE DUAL-FUELLED ON PRODUCER GAS & DIESEL AN IMPROVED BI-FUEL INDUCTION DEVICE FOR AUTOMOTIVE DIESEL ENGINES

IMPROVING THE PERFORMANCE OF A HYDROGEN-DIESEL DUAL FUEL ENGINE THROUGH REDUCED COMPRESSION RATIO VIBRATION AND NOISE LEVEL STUDIES ON DIESEL ENGINES WITH BIO-GAS USE

PERFORMANCE ANALYSIS

EXPERIMENTAL & ANALYTICAL STUDIES OF THE IGNITION LIMITS OF METHANE FUELLED SPARK IGNITION & COMPRESSION IGNITION ENGINES

TEMPERATURE DISTRIBUTION IN A CYLINDERICAL SHELL WITH INNER IHIN INSULATION

INVESTIGATION OF HEAT TRANSFER IN AN OIL COOLED PISTION WITH 8 WITHOUT CERAMIC INSULATION ON TOP FACE UNSTEADY HEAT TRANSFER ANALYSIS OF A LOW HEAT REJECTION DIRECT INJECTION DIESEL ENGINE

HEAT TRANSFER CALCULATIONS FOR A LCW HEAT REJECTION INDIRECT INJECTION DIESEL ENGINE

A SIMPLE METHOD TO OBTAIN THE HEAT RELEASE RATES OF A DIESEL ENGINE USING A SIGNAL ANALYSER

USE OF CERAMICS IN INTERNAL COMBUSTION

SOME EXPERIMENTAL STUDIES ON THE EFFECT OF CSZ CERAMIC THERMAL BARRIER COATING ON THE DIESEL ENGINE PERFORMANCE

STUDY OF THE PERFORMANCE & COMBUSTION CHARACTERISTICS OF A FOUR STROKE SPARK IGNITION ENGINE FITTED WITH A TURBULENCE GENERATO

A SIMPLE LEAN BURN TECHNIQUE FOR A MULTICYLINDER AUTOMOTIVE SI ENGINE

EFFECT OF REED VALUE & TUNED EXHAUST ON THE PERFORMANCE OF SMALL CAPACITY TWO STROKE ENGINES

FIRST EXPERIENCES WITH MIXTURE INJECTION APPLICATION-A POSSIBILITY OF AVOIDING CHARGE LOSES IN TWO STROKE ENGINES

FUEL SAVING IN TWO-STROKE SPARK IGNITION ENGINES-A NEW APPROACH IN THE SCAVENGING PROCESS

IMPROVEMENT IN FUEL ECONOMY DUE TO CAPACITIVE DISCHARGE SYSTEM-EXPERIMENTAL VERIFICATION

DESIGN ASPECTS OF A TURBO-SUPER-CHARGED ENGINE FOR 100 H.P.

ANALYTICAL & EXPERIMENTAL STUDIES ON THE EFFECT OF CHARGE COOLING IN A TURBOCHARGED DIESEL ENGINE

APPLICATION OF HIGHER EFFICIENCY TURBO-CHARGERS ON RAIL TRACTION ENGINES

EXHAUST EMISSION AND THEIR CONTROL FOR TWO STROKE ENGINES

AN INVESTIGATION ON NOISE REDUCTION OF ALU-400 ENGINE BY MODIFYING THE EXHAUST MUFFLER

A PILOT STUDY ON DIESEL ENGINE NOISE

DESIGN CONSIDERATIONS & TESTING OF SOME EXHAUST MUFFLERS FOR NOISE ATTENUATION OF STATIONARY DIESEL ENGINE A NEW DESIGN OF EXHAUST MUFFLER FOR L.C. ENGINES

AN OVERVIEW OF MODELLING OF FLAME PROPAGATION AND HEAT RELEASE IN S.I. ENGINES DESIGN & DEVELOPMENT OF 3.5 HP (2.57 KW)

THE MICRO DIESEL CAR WITH TWO STROKE TWIN CYLINDER UNIFLOW ENGINE FUEL ECONOMY IN SPARK IGNITION ENGINE

FINDINGS ON POSSIBLE IMPROVEMENTS OF TWO STROKE OTTO ENGINE TRIBOPROPERTIES

THE TECHNICAL NEED FOR PERFORMANCE BASED ENGINE CRANKCASE OIL IN INDIA DEVELOPMENT OF A FUEL CONTROL SYSTEM USING MICROPROCESSOR

EXPERIMENTAL INVESTIGATIONS OF DROPLET DISTRIBUTION IN HIGH PRESSURE DIESEL AND METHANOL SPRAYS

PHASE SEPERATION STUDY IN ALCOHOL GASOLINE-LUBE OIL BLENDS

AN INTRODUCTION TO COMPUTER AIDED DESIGN OF I.C. ENGINE

THE ACCURACY AND CALIBRATION OF ABSORPTION DYNAMOMETERS

TITLE OF THE PAPERS

FLAMES AND BURNING VELOCITIES EXPERIMENTAL INVESTIGATION ON SINGLE AND MULTIPLE GAS JET DIFFUSION FLAMES

THE CORRELATION OF FLAME BLOW-OFF DATA BY THE FLAME STRETCH CONCEPT

MEASUREMENT OF LAMINAR BURNING VELOCITY FOR METHANOL-AIR MIXTURES BY THE SPHERICAL BOMB METHOD

TURBULENT FLAME PROPAGATION IN HEATED FUEL-AIR MIXTURE

FLAME CHARACTERISTICS OF A HELICAL SWIRL BURNER

PERFORMANCE OF A GAS TURBINE COMBUSTOR USING AIR BLAST AUTOMIZATION

DEVELOPMENT OF A COMPUTER PROGRAMME FOR THE ANALYSIS OF A GAS TURBINE AFTER BURNER SYSTEM

SOME EXPERIMENTAL STUDIES ON THE DEVELOPMENT OF A REVERSE FLOW ANNULAR COMBUSTION SYSTEM FOR GAS TURBINE ENGINES

GAS TURBINE AND COMBUSTORS

COMBUSTION AND EMISSIONS FLAME STRUCTURE AND EMISSION CHARACTERISTICS OF A DIFFUSION FLAME ISSUING FROM A VERTICAL BURNER

AN EXPERIMENTAL STUDY OF BURNING CHARACTERISTICS AND ANALYSIS OF POLLUTANTS IN CIGARETTE SMOKE

DEVELOPMENT OF ELECTRO-THERMAL THRUSTER

CATALYTIC HYDRAZINE THRUSTER FOR SPACE APPLICATIONS

DEVELOPMENT OF AN EXPERIMENTAL FACILITY TO STUDY THE COMBUSTION AND EMISSION CHARACTERISTICS OF SYNTHETIC FUELS

FLOW VISUALIZATION STUDIES IN THE WAKES OF SIMULATED DROPLETS

THE EFFECT OF DYNAMIC BURNING RATE ON THE BALLISTICS OF SOLID PROPELLANT ROCKET MOTORS

CHEMICAL KINETIC MODELLING OF THE ETHANOL OXIDATION MECHANISM

DESIGN ASPECTS OF A TWIN-FLUID ACOUSTIC ATOMIZER

UISCOSITY AND THERMAL CONDUCTIVITY OF GAS MIXTURES RESULTING FROM COMBUSTION OF CH₄ WITH O₂/AIR LINDER DIFFERENT OPERATING CONDITIONS

AN EXPERIMENTAL FACILITY FOR COMBUSTION

B N Raghunadam
STUDIES UNDER IMPOSED PRESSURE FLUCTUATIONS

R Agaswal

EXPERIMENTAL TECHNIQUES

MISCELLANEOUS

SOOT FORMATION KINETICS OF AROMATIC HYDROCARBONS

THRUSTERS

A NUMERICAL PROCEDURE FOR PREDICTING TURBULANT BURNING VELOCITY OF FLAMES ON TUBULAR BURNERS

SINGLE-CYLINDER TWO-STROKE OTTO ENGINE ANTI-HOISE INVESTIGATIONS

THE EFFECT OF SOME LUBRICATING OILS ON THE PERFORMANCE OF AN ADIABATIC DIESEL ENGINE

ADAPTIVE CONTROL OF WARSHIP DIESEL PROPULSION SYSTEM TO ACHIEVE ALROUND BEST PERFORMANCE

JOJOBA DERIVED ENGINE CRANKCASE OIL FORMULATIONS

MISCELLANEOUS

A COMPARATIVE EXPERIMENTAL STUDY ON THE EFFECTIVENESS OF VARIOUS CATALYSTS FOR SIL ENGINE EXHAUST EMISSION CONTROL THROUGH THE CATALYTIC CONVERTOR SYSTEM

INVESTIGATIONS ON THE PERFORMANCE OF AN ADIABATIC DIESEL ENGINE WITH THREE TYPES OF PISTONS

HEAT TRANSFER STUDIES IN THE PISTON OF A SEMI-ADIABATIC ENGINE

ANALYSIS OF SCAVENGING PROCESS

INVESTIGATIONS ON THE COAL-FIRED DIESEL ENGINE

PERFORMANCE AND POLLUTION CHARACTERISTICS OF A COMPRESSION IGNITION ENGINE USING EMULSIFIED FUELS VEGETABLE OILS AS DIESEL ENGINE FUELS

FIELD TRIAL OF NEAT METHANOL

NATIONAL CONFERENCE ON ENGINES (BUSTION

UNIT OF
NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
NEW DELHI

H B Mathus M K Gajendsa Babu V N Psasad

O V Kuentschet G Sonnemann

S Maji Mathew Abraham B P Pundir

S R Shome V Janaidhana Chetty

A Giadrossi D Micheli

Y C Bhatt N S Musthy P K Patta

Shatma Maji L Shatma at hew Abtaham

O V Kuntschet G Sonnemann D H Duc

Vataptasad Rao Nagalingam Ganesan V Gopalaktiskna

B S Samaga Y Sutesh Kumat Stinivasa Bhat V Ramachandta Raju

K Gopalaktishnan P Stinivasa Rac K V Gopalaktishna

A J Antony B S Samaga

S S Khandate R D Gatg R R Gaut S A Channiwala P P Parikk (Mrs.)

A Channiwala P Desai C Talati D Jani

F G Kadoli B T Nijaguna B S Badtinath

P R Thyagatajan C P Kothandataman

G A Katim 1 Wietzba Yan Zhaoda

N K Samtia R K Baidya M U S Reddy Ravindta Ptasad NK Samtia MUS Reddy

Gopal Krishan JP Subrahmanyam MK Gajendra Babu

M K gupta M K Gajendra Babu

A Ramesh B Nagalingam K U Gopalaktishnan

S Jabez Dhinagar B Nagalingam K V Gopalakrishnan

R Krishnamoorthy P Srinivasa Rao K V Gopalakrishnan

S Shah J P Subtahmanyam H K Gaiendta Babu

M G Phadnis G C Gatg K K Ramalingam S Govindatajan S Selvam S K Stinivasan

N V Mahalakshmi K Jayachandtan S Atumugham

O V Kuntscher H Kaul A Singer

K V Reddy K R Babu V Ganesan

N V Vasani K C Shodhan N R Dave

S K Luthra

N Ranaptatap Reddy B S Samaga K Balaveera Reddy

H B Mathur M K Gajendra Babu S Bhagavanta Rao

P P Patikh (Mts.) S V Bhate

M V Vaijanputkat

B V Appa Rao M Steenivasa Rao

O P Dubey A K Goel M Bhattacharya P S Mehta

P P Patikh (Mts.) U Nagataj K K Kalatia M S Javia N U Vasani K S Jain

atheesh Paul

Sudhti Singhal M N Bandooni C C Mishta N K Pandey

V Kuentscher G Polzer

S Singhal S K Jain

R Krishnamoorthy P Srinivasa Rao K V Gopalakrishnan

P Rajasekat K A Damedatan

A K Aigal 8 P Pundit

A K Holla B S Samaga

K N Gopalan

N N Natayante V B Kubet

G Engles V Kuntsches

S K A Soma K S Padiyat R Natatajan

S P Shatma P C Batuah

P Balachand V Ganesan U S P Shet

S P Sharma C N Chablani

P Balachands U S P Shet R Rajeeva B N Raghunadan

Vince Joseph V Ganesan U S P Shet

G Biswas P K Nag

U P Singh

H S A Reddy K Anantha Ram

H S A Reddy K Anantha Ram

R B Ranjan K Ramamutthi R Ravibumat

K Natarajan K A Bhaskaran

N R Ramesh K U L Rao R Nataraian

P Atunachalam K A Damodatan

COMBUSTION

SECTION-II

F G Kadoli B S Chittawadgi

S S Nandedkat N K Samtia L R Govil M U S Reddy

M A Malik P S Mehta

PA-9

PA-21

PA-29

PA- 37

PA-55

PA-63

PA-71

PA-91

PA-107

PA-117

PA-121

PA-133

PA-139

PA-147

PA-155

PA-163

PA-169

PA-177

PA-183

PA-189

PA-195

PA-201

PA-211

MI-I

MI-17

MI-31

MI 47

A11-53

M1-65

MI-73

A12-85

MI-101

PAGE

FB-1

FB-17

FB-23

FB-31

FB-43

GT-I

GT-9

GT-19

CE-17

TH-I

ET-1

ET-9

ET-15

MC-13

I.C. ENGINES AUTHORS