

Method of Calculating a Jointless Steam Turbine
Governor, by I. S. Ratner.

RUSSIAN, per, Energeticheskoe, Vol 12,
No 8, 1966, pp 17-20.

NLL Ref: 9022.03 (4113)

Sci/Aeron
Feb 68

349,586

Hydraulic Turbine Laboratory of the Khar'Kov
Turbine Plant Named For S. S. Korov, by
N. P. Vorobev.
RUSSIAN, per, Energomashinostroenie, Vol 12,
No 8, 1966, pp 40-42.
NTC-71-15599-13G

Feb 72

Certain NZL Reports on the Study of the Flowing
Part of Centrifugal Compressor Machines, by
V. F. Rls, et al. 13 pp.
RUSSIAN, per, Energomashinostroyeniye, No 9, 1966
pp 2-6
FTD S-~~69~~ 402-69
402-69

july 69

384,265

selection of the Relative Thickness of Profiles
of Blades of an Axial-Flow Compressor, by
V. V. Semov. 9 pp.
RUSSIAN, per, Energomashinostroyeniye, No 9,
1966, pp 6-8.
AIR/FTD/MT-24-326-68

sci/mechan engr
may 69

381,215

EE
Trans. 1932

INVESTIGATION OF THE STATIC STRENGTH
OF CENTRIFUGAL IMPELLERS
G.A. Raer and G.M. Bavel'ski
Energomashinostroenie, Vol. 12, No. 9,
pp. 9-12 (Sept. 1966)

*Plus
for*

Patents in Development of Gas-Driven Power Turbines,
by G. A. Oglobin, V. G. Tyryshkin. 19 pp.
RUSSIAN, per, Energomashinostroyeniye, No 10,
1966, pp 1-6.
AIR/FID/HQ-24-377-68

sci/energy conver
july 69

384,217

Aerodynamic Investigations of Steam Turbine
Governor Valves, by A. N. Zaslavskii
RUSSIAN, per, Energomashinostroenie, Vol 12,
No 10, 1966, pp 18-22.
NLL Ref: 9022.09 (4554)

NLL Ref: 9022.03 (4094)

Sci-Energy Conversion
Aug 68

362,234

Thermal Stresses in Gas Turbine Nozzle Blades
Under Transient Thermal Conditions, by
R. I. Kuriat, Yu. D. Miroshnichenko. 8 pp.
RUSSIAN, per, Energy Mashinostroyeniye, No 10,
1966, pp 30-32.
AIR/FID/MI-24-157-68

Sci/propulsions & fuels
feb 69

375,642

Statistical Evaluation of Turbo-Bst Reliability,
by V. F. Kalashnikov
RUSSIAN, per, Energomashinostroenie, Vol 12,
No 10, 1966, pp 36-38.
NLL Ref: 9022.09 (3743)

*CEGB Digest
S.E. TRANS 3143*

Sci-Propulsion & Fuels
July 68

360,814

An Irradiated Diamond Temperature Indicator,
by V. D. Dobrokhotov.
RUSSIAN, per, Energomashinostroyeniye, Vol 12,
No 11, 1966, pp 45-46.
NLI Ref: 9022.03 (4156)

Sci/Meth & Equip
Feb 68

349,639

Moisture Movement in Turbine Blading,
By I.I. Kirillov
RUSSIAN, per, Energomashinostroenie, Vol.12
No. 12, pp. 1-15 *1966*
CEGB CE-Tr-5069
ETC-69-29645

Sci/mech
Dec 69

398,748

The LMZ K-800-240-1 Steam Turbine, by A. V. Levin
& V. K. Ryzhikov.
RUSSIAN, par, Energomashinostromie, Vol 12,
No 12, 1966, pp 2-6.
NLL Ref: 9022.03 (4149)

Sci/Mech, Indus, Civ & Mar Engr
Feb 68 349,589

Basic Design Features of the KHIGZ Steam Turbine
for 500-MW Units, by L. A. Shubanko-Shubin &
V. N. Galatsan.

RUSSIAN, per, Energomashinostroyeniye, Vol 12,
No 12, 1966, pp 6-11.

NLL Ref: 9022.03 (4150)

Sci/Aeron
Feb 68

349,587

Method of Calculating the Variations in Axial
Clearances in Steam Turbines Subject to Pronounced
Transients, by A. A. Bedrinski.
RUSSIAN, per, Energomashinostroyeniya, Vol 12,
1966, pp 12-15.
NLL Ref: 9022.09 (4540)

Sci/Aeron
Feb 68

349,585

Experimental Investigation of the LPZ K-300-240
and K-800-240 Steam Turbine End Stages, by
N. M. Markov.
RUSSIAN, per, Energomashinostroyeniye, Vol 12,
No 12, 1966, pp 18-20.
MLL Ref: 9022.03 (4151)

Sci/Mech, Indus, Civ & Mar Engr
Feb 68 349,590

The Influence of Nozzle Angle on the Efficiency
of Impulse Stages, by V. D. Pshenichnyy. 10 pp
RUSSIAN, per, Energomashinostroyeniye, No 12,
1966, pp 20-22.
AIR/PTD/MI-24-344-68

sci/energy conversion
may 69

381,219

Effect of Manufacturing Deviations on Turbine
Blade Vibration Frequencies, by A. Ya. Aronson,
F. S. Bedcher.
RUSSIAN, per, Energomashinostroenie, Vol 12,
No 12, 1966, pp 23-27.
NLL Ref: 9022.09 (4753)

Sci-Mech
Mar 69

376,849

Tendency to Brittle Fracture of High-
strength Structural Steel Rotors, by
P. D. Khinskiy.
RUSSIAN, per, Energomashinsotroyeniye,
No 12, 1966, pp 33-37.
NLL Ref: 9022.09 (4754)

Sci-Mat
May 69

380,694

Residual Stresses During Different Machining
Methods Used in Turbine Blade Manufacture, by
V. P. Telkht.
RUSSIAN, per, Energomashinostroenie, Vol 12, No 12,
Dec 1966, pp 40-42.
C.E. Trans 5582

Jan 72

M. I. Galperin

Water Transport of the Odd-Shaped Heavy Runners
of Large Francis Hydraulic Turbines, by
M. I. Galperin
RUSSIAN, per, Energomashinostroenie, No 12, 1966,
p 45
NTC 71-16603-13G

Feb 72

Stabilization of Cavit. Nucei in Fluid, by
L. R. Gavrilov.
RUSSIAN, per, Energomashinostroyeniye, No 1, 1967,
pp 45-46.
FTD-HT-23-1128-68

198 1968

The TKZ Boiler Unit (PP-2500/225Ah) For an 800
MW Set, by V. S. Patychenko.
RUSSIAN, per, Energomashinostroenie, Vol 13,
No 2, 1967, pp 1-7.
NLL Ref: 9022.09 (4771)

Sci-Mech
Mar 69

376,842

Investigation of Turbo-Machine Blade Strength
and Vibration Characteristics under Impulse
Loading, by A. A. Petrov
RUSSIAN, per, Energomashinostroenie, Vol 13,
No 2, 1967, pp 13-14.
NLL Ref: 9022.09 (4735)

*SEE DIGIT
C. E. TRAN 4735*

Sci-Propulsion & Fuels
July 69

360,815

Relaxation of Initial Stresses in Bolted
Connections of Hydraulic Unit Rotors During
Intermittent Loads, by P. A. Pavlov.
RUSSIAN, per, Energomashinostroenie, No 2,
1967, pp 41-43.
NTC-71-15590-13G

Feb 72

The Stressed State and Strength of Single-Shrouded Radial Turbine Wheels, by Ya. M. Gusak.
RUSSIAN, per, Energomashonostroyeniye, No 5, 1967, pp 18-20.
AIR/FTD/HT-23-670-68

Sci-Mech
Apr 69

379,781

The Effect of Alloying and Heat Treatment on
the Strength and Cavitation Resistance of Alloys
With Age-Hardenable Martensite, by
L. S. Malinov, T. M. Maslakova, et al. 11 pp.
RUSSIAN, per, Energomashinostroyeniye, No 5, 1967
pp 29-32.
AIR/FTD/MT-23-1147-68

sci/materials
jan 70

399,836

Features of Production of Disc Forgings from
Steel 1Kh12VNMf (EI802), by I. G. Generson,
Ye. V. Babeyeva. 10 pp.
RUSSIAN, per, Energomashinostroyeniye, No 7,
1967, pp 31-34.
AIR/FTD/HT-23-1016-68

Sci-Materials
Nov 69

395,871

Pulse Selection for Measuring the Air Flow Rate
in Gas Turbine Engine Governors, by
I. V. Vlasenko. 5 pp.
RUSSIAN, per, Energomashinostroeniye, No 7, 1967,
pp 39-40.
AIR/FTD/IR-23-1085-68

sci/propulsion and fuels
july 69

384,228

Dependence of Cavitation Resistance of Certain
Stainless Steels upon Structure, by Ye. G.
Malyshevskaya, et al. 10 pp.
RUSSIAN, per, Energomashinostroyeniye, No 8, 1967,
pp 30-33.

FTD S-~~693~~ 403-69

403-69

july 69

384,266

Automation of Experimental Work on Test
Stands of the Hydraulic Turbine Laboratory of
KhTGZ, by S. F. Artyukh.
RUSSIAN, per, Energomashinostroenie, No8, 1967,
pp 37-39.
NTC-71-15597-13G

Feb 72

Mathematical Modelling of Gas Turbine Supercharging
in Multicylinder Four-Cycle Engines, by
L. A. Samsonov, 11 pp.
RUSSIAN, per, Energo-Mashinostroyeniye, No 9,
1967, pp 19-22.
ARM/FSTC/HT-23-358-70

Sci/Mech
Nov 70

Free Oscillations of the Vanes of Axial
Rotaryvane Hydraulic Turbines, by Ya. B. Kantor.
RUSSIAN, per, Energomashinostroenie, Vol 13,
No 9, 1967, pp 29-30.
NTC-71-15588-13G
CIA x 6558

Feb 72

Electrification of the USSR, by P. S. Chernyshov.
RUSSIAN, per, Energomachinostroyeniye, No 10,
1967, pp 6-11.

CIA X-6678

JPRS 44,265 17 pp

Jul 68

Development of Boiler-Furnace Design at the
Barnaul Boiler Plant, by V.D. Zorichev,
and N.V. Popov, 10 pp.
RUSSIAN, monthly, Leningrad, Energomashino-
stroeniye, No. 10, Oct 67, pp. 11-14.
JPRS 44,265

Sci-Energy Conv. (Non-Propulsive)
Feb 68

350,130

Gas Turbine Building at Nevskiy Machine
Building Plant Imeni Lenin, by Prof. L.
A. Kuznetsov, 14 pp.
RUSSIAN, monthly, Energomashinostroyeniye,
Leningrad, No. 10, Oct 67, pp. 15-19.
JPRS 44,265

Sci-Energy Conv. (Non-Propulsive) 350,131
Feb 68

Certain Problems in Hydraulic Turbine Building,
by Prof. G.S. Shchegolev, 10 pp.
RUSSIAN, monthly, Energomashinostroyeniye,
Leningrad, No. 10, Oct 67, pp. 19-21.
JPRS 44,265

Sci-Energy Conv. (Non-Propulsive)
Feb 68

350,132

Turbine Building Development at the Turbo-
motorny Plant, by D.P. Buzin, 17 pp.
RUSSIAN, monthly, Energomashinostroyeniye,
Leningrad, No. 10, Oct 67, pp. 22-27.
JPRS 44,265

Sci-Energy Conv. (Non-Propulsive)
Feb 68 350,133

Large Single-Shaft Steam-Freon Turbo-Sets,
by A. A. Kanaev.
RUSSIAN, per, Energomashinostroenie, Vol 13,
No 10, 1967, pp 30-34.
NLL Ref: 9022.03 (4239)

Sci-Energy Conv
Jan 69

373,630

First Soviet Steam-Gas Installation With Gas
Discharge into Boiler, by D.V. Litvinov et al,
7 pp.

RUSSIAN, monthly, Energomashinostroyeniye,
Leningrad, No. 10, Oct 67, pp. 34-36.
JPRS 44,265

Sci-Energy Conv. (Non-Propulsive)
Feb 68

350,134

Three-Stage Throttling Devices for Warming
and Draining Main Steam Pipes of 300 MW
Units, by P. I. Starostin, I. G. Gorbenko.
RUSSIAN, per, Energomashinostroyeniye,
Vol 13, No 10, 1967, pp 36-38.
NLL Ref: 9022.09 (4812)

Sci-Mech
May 69

380,745

Steam Turbine Engineering at the LMZ, by
A. V. Levin, P. S. Chernyshev
RUSSIAN, per, Energomashinostroenie, Vol 13,
No 11, 1967, pp 1-9.
NLL Ref: 9022.03 (4267)

Sci-Elec Engineering¹
Mar 69

376,850

Start-Up Conditions of the K-200-130-1 Turbine
After 30-34 Hours Shut-Down, by A. T. Bospalyi
and V. I. Khakhin.
RUSSIAN, per, Energomashinostroenie, Vol 13,
Nov 1967, pp 25-27.
CEGB-Tr 4862
ETC-69-29983

Sci/Prop and Fuels
Jun 69

384,506

Analysis of the Reliability of Steam Tur-
bine Overspeed Protection Systems, by
V. V. Malev.
RUSSIAN, per, Energomashinostroyeniye, Vol
13, No 11, 1967, pp 27-29.
NLL Ref: 9022.03 (4257)

Sci-Energy Conversion
Apr 69

379,893

Effect of Humidity on the Efficiency of Turbine
Stages, by I. I. Kirillev, R. M. Yablonik.
GOVERNMENT USE ONLY
RUSSIAN, per, Energomashinostroenie, No 11, 1967,
pp 30-32.
CIA X-6719

Sept 68

364,741

Economy of Different Turbine L.P. Cylinders
from Test Data, by V. S. Yelizarov,
N. A. Sorokin.
RUSSIAN, per, Energomashinostroyeniye, Vol
13, No 11, 1967, pp 38-40.
NLL Ref: 9022.03 (4259)

Sci-Prop & Fuels
Apr 69

379,892

Temperature State of Rotor and Housing of the
GT-750-6 Gas Turbine, by A. L. Kuznetsov,
A. A. Krinskiy, et al. 14 pp.
RUSSIAN, per, Energomashinostroyeniye, No 12,
1967, pp 15-18.
AIR/FID/AIR-23-717-68

sci/propulsion andfu els
may 69

381,261

Francis Turbines at the Bukhtar-
minskaya Hydroelectric Power Station,
by I.I. Shriro, 6 pp.
RUSSIAN, monthly, Energomashino-
stroyeniye, Leningrad, No. 12,
Dec 67, pp. 30-32.
JPRS 44,528

Sci-Energy Conversion (Non-
Propulsive) 351,822
Feb 68

Study of Annular Cascade with Large Diameter-
Height Ratio ("Fanness") Operating with Wet
Steam, by I. I. Kirillov, A. I. Nosovitskiy.
RUSSIAN, per, Energomashinostroyeniye, Vol 13,
Dec 1967, pp 44-45.

CEGB

C.E. Trans 4857

Sci-Energy
Oct 69

394,584

Tip Losses in Reaction-Type Turbine Cascades
in a Wide Range of Attack Angles, by A. I. Kirillov,
A. P. Pavlov, 7 pp.
RUSSIAN, per. Energomashinostroyeniye, No 1, 1968,
pp 22-23.
AIR/FTD/HT-23-1306-68

Sci/Prop & fuel
Nov 69

395,968

Effect of Low Temperature Thermomechanical Treatment on Mechanical Properties and Cavitation Resistance of Kh18N10T Steel, by V. V. Gavranek, et al. 5 pp.

RUSSIAN, per, Energomashinostroyeniye, No 1, 1968 pp 33-34.

FTD S-~~602~~ 400 - 69

400-69

july 69

384,263

New Gas-Steam Power Unit Developed, by
I.I. Kirillov, et al, 9 pp.
RUSSIAN, per, Energomashinostroyeniye,
Leningrad, No. 2, 1968, pp. 1-5.
JPRS 55,057

Sci-Energy Conversion (Non-Propulsive)
April 68 355,594

Effect of Diaphragm Power Supports on the
Flow Coefficient and Stage Efficiency of
H.P. Steam Turbines, by Ye. Yu. Moshke-
vich.

RUSSIAN, per, Energomashinostroyeniye,
Vol 14, No 2, 1968, pp 14-16.
NLL Ref: 9022.03 (4280)

Sci-Mech
May 69

380,746

Effect of Some Geometrical Parameters on Losses
in Centrifugal Wheels, by N. P. Komarovskiy. 9 pp
RUSSIAN, per, Energomashinostroyeniye, No 2, 1968
pp 22-25.
FTD S-~~800~~ 475-69

475-69

aug69

388,572

The Electrochemical Methods of
Protecting Hydroturbines Against
Cavitation Erosion, by N. I. Pylaev.
RUSSIAN, per, Energomashinostroenie,
Vol 14, No 2, 1968, pp 26-28
NTC 72-12158-13G

CIA X-7102

July 72

Fire Safety for Large Steam Turbines, by P.S.
Chernyshev, et al, 9 pp.
RUSSIAN, per, Energomashinostroyeniye,
Leningrad, No. 3, 1968, pp. 4-6.
JPRS 45,499

Energy Conversion(Non-Propulsive)
May 68 358,605

Effect of Ties on the Resistance to Vibrations of Turbine Buckets, by D. A. Arkad'yev.

RUSSIAN, per, Energomashinostroyeniye, No 3, 1968. pp 6-9

CIA X-6897

AIR/FTD-HT-23-1254-68 10 pp

CEGB CE tr-4944

ETC-69-23177

Feb 69

375,165

Condensation of Steam in Wet Steam Turbine
Stages, by I. I. Kirillov, V. N. Amomushkin.
RUSSIAN, per, Energomashinostroyeniye, No
3, 1968, pp 11-13.
CIA X-6937

Mar 69

378,035

Theoretical and Experimental Investigations
of the Vibrations of the Rotor of a Full-
Scale-Model Hydroelectric Installation, by
A. U. Bugov, V. A. Kovalenko.
RUSSIAN, per, Energomashinostroyeniye, No 3,
1968, pp 24-36.
CIZ-X-6919

Mar 69

376,320

Oscillations of Blades With a Z-Shape Joint, by
V. M. Makarov. 5 pp.
RUSSIAN, per, Energomashinostroeniye, No 3,
1968, pp 40-41.
AIR/PTD/HT-23-1255-68

Vol 14, No 3, 1968 pp 40-41 NTC 69-11586-20K

sci/mechan engr
may 70

Experimental Investigation of the Characteristics
of an Axial Multistage Compressor, Controlled by
Turning the Stator Blades and By-Pass of Air,
by Yu. V. Khlebnikov. 10 pp.

RUSSIAN, per, Energomashinostroyeniye, No 4,
1968, pp 19-23

FTD S-~~801~~ 476-69

476-69

aug 69

388,573

Coefficients of Consumption Through the
Gap at the Root of Turbine Buckets, by
N. M. Markov.

RUSSIAN, per Energomashinostroyenie,
May 5, 1968, pp. 1-4.

CIA X-7104

ARM/FSTC-HT-23-544-69 12 pp

Oct 69

394,405

Causes of Damage to 140 ABS. ATM. Boiler Super-
heaters at 570° C, by V. F. Zlepko,
M. M. Przhivalkovskiy, 8 pp.
RUSSIAN, per. Energomashinostroveniye, May 1968,
pp 7-8.
JPRS 46,247

Sci/Energy Conv (Non-prop)
Sept 68

365,159

Efficiency of a Low-admission Shroudless
Supersonic Turbine Stage, by V. D. Levenberg.
6 pp.
RUSSIAN, per, Energomashinostroyeniye, No 5,
1968, pp 40-41
AIR/FTD-HT-23-107-69

sci/ prop and fuels
sept 69

390,971

Advisability of Slowing the Servo Motors in
Hydraulic Turbine Control Apparatus at the
End of Shutting Down, by Yu. A. Litovskii et al.
RUSSIAN, per, Energomashinostroenie,
No. 6, pp. 26-28 (June 1968)
E.S.B./Trans.-417

FEB 71

Study of Two-Dimensional Nozzle Cascades Operating
in Wet Steam, by I. I. Kirillov,
USSR, per. Energomashinstroenie, Vol 14, No 6,
1968, pp 36-37.
NII Ref: 9022.31 (4326)

Sci/Mech Engr
Apr 70

406,735

Boiler For 1200 Megawatt Power Unit Designed,
by V. S. Iatychenko, S. I. Mochn, 13 pp.
RUSSIAN, per, Energomashinostroyeniye, Leningrad,
No 7, 1968, pp 2-5.
JPRS 46517

Sci-Energy Conv (non-prop)
Oct 68

367,441

Turbines Manufactured by Leningrad Metal Plant,
by P. S. Chernyshev, 12 pp.
RUSSIAN, per. Energomashinostroyeniye, Leningrad,
No 7, 1968, pp 6-12.
JPRS 46517

Sci-Energy Conv (non-prop)
Oct 68

367,442

High-powered Radial-Axial Turbines Operating.
by G. S. Shchegolev, 10 pp.
RUSSIAN, per, Energomashinostroyeniye, Leningrad,
No 7, 1968, pp 12-15.
JPRS 46517

Sci-Energy Conv (non-prop)
Oct 68

367,443

Determining the Increase in Turbine Stage Efficiency
which Using Shrouded Moving Blades, by E. F. Popov,
GERMAN, per. Engringmashinostroenie, Vol 14, No 8,
1968, pp 22-24.
NLL Ref: 9022.31 (4355)

Sci/Mech Engr
Apr 70

406,730

Features of Steam Flow in a Turbine Stage Under
No-load Conditions, by I. I. Kirillov.
RUSSIAN, per, Energomashinostroyeniye, Vol 14,
Aug 1968, pp 37-38.
CSGB/C.E. Trans 5242

Sci-Energy Conversion
Jan 70

400,297

I. G. Gogolev

Results of Testing Models of an Axial Turbine
Stage With Radial Tilt of the Stator Blades.
RUSSIAN, per, Energomashinostroenie, No 9, 1968,
pp 19-21
NTC 72-13389-13G

CIA X-7084

NLL Ref: 9022.31 (4354)

Oct 72

Determination of Optimum Chord of Blades of
Stages With Shroudless Blade Rings, by
K. M. Lasenko, V. P. Chuprina. 9 pp.
RUSSIAN, per, Energomashinostroyeniye, No 9,
1968, pp 22-23.
AIR/FTD/IT-24-287-69

sci/propul and fuels
feb 70

402,684

Improved Work of Nevskiy Machine Building Plant,
V. G. Mirsov, 10 pp.
RUSSIAN, per, Energomashinostroyeniye, Leningrad,
No 9, 1968, pp 28-30.
JPRS 46841

Sci.-Energy Conv (non-prop)
Dec 68

353,800

Experimental Determination of the Vibration of
Blades with Z-Shaped Lacing Wires,
by V. N. Makarov and I. D. Novikova,
GERMAN, per. Energomashinostremsie, Vol 14, No 11,
1968, pp 19-21.
NLL Ref: 9022.31 (4341)

Sci/Mech Engr
Apr 70

406,738

Effect of Heat-Dissipating Grooves on the Stresses
in a Turbine Rotor, by V. G. Orlik.
RUSSIAN, per, Energomashinostroeniye, Vol 14, No 11,
1968, pp 33-35.
NLL Ref: 9022.31 (trans 4342)

Sci/Energ Conv
Dec 69

398,286

Contemporary Filtering Materials for Purification of Fuels, Oils, Air and Hydraulic Fluids,
by S. A. Puzyrev, G. P. Kuchin, et al. 7 pp.
RUSSIAN, per, Energomashinostroyeniye, No 11,
1968, pp 40-42.
AIR/FTD/MR-24-274-69

sci/materials
apr 70

406,612

Some Results of Planning and Research of the Water
Turbine Working Rotor with 200 M load, by
D. U. Nevski.
GERMAN, per, Energomash, No 1, 1969, pp 1-6.
NLL Ref: 3774.5 (trans 1901)

Sci/Prop & Fuels
Mar 70

401,909

Calculating Turbine Blade Oscillations on Analog
Computers, by L. D. Magonayev. 12 pp.
RUSSIAN, per, Energomashinostroyeniye, No 1,
1969, pp 35-38.
AIR/FTD-HB-23-633-69

sci/electronics
may 70

406,876

Aerodynamics of a Swirling Flow in an Annular Channel,
by A. V. Sudarev, 7 pp.
RUSSIAN, per, Energomashinostroyeniye, Vol 15, No 1,
1969, pp 45-46.
AIR/FTD/HT-23-1277-71

July 72

Problems in Design, Starting Conditions of
Boilers, by S. I. Mochan, I. M. Gol'denfarb,
10 pp.
RUSSIAN, per. Energomashinostroyeniye, Leningrad,
No 4, 1969, pp 6-9.
JPRS 48290

Sci-Energy Conv (Non-Prop)
Jul 69

386,092

Effect of Manufacturing Tolerances on the
Stress State of Runners for Francis Hydraulic
Turbines, by Ya. A. Aronson.

RUSSIAN, per, Energomashinostroenie, No 4,
1969, pp 32-33.

NTC-71-15585-13G

Feb 72

Experimental Horizontal Bulb Turbines
for Saratov Hydropowerplant, by
M. L. Steklov.
RUSSIAN, per, Energomashinostroenie,
No 5, 1969, pp 6-10
NTC 72-12247-13G

July 72

Straight Cascade in a Layer of Variable
Thickness (One Particular Case of the
Inverse Problem) by G. V. Viktorov.
RUSSIAN, per, Energomashinostroyenie,
Vol. 2, No. 7, July 1969..
CIA X-7185

Feb 70

401,307

Numerical Solution on Computers of Problems of Average Axially Symmetrical Flows in Turbines, by L. A. Dorfman, A. Z. Serazetdinov.
RUSSIAN, per, Energomashinostroenie, July 1969, No. 7, pp. 14-19.
CIA X-7176

Jan 70

399,685

REQ TR CHECK

2-5-9

TEI8

FLOW ANALYSIS IN THE STAGE OF AN AXIAL
COMPRESSOR AND COMPARISON WITH EXPERIMEN-
TATION

TARABRIN, A.P.
UR-ENERGOMASHINOSTROYENIYE no 9, 1969,
pp 22-25

*Process in as
H572-23-1155*

*Negative
8 May 72*

Development in Boiler Engineering Discussed, by
Ye. A. Fadeyov, A. U. Lipets, 18 pp.
RUSSIAN, per. Energomashinostroyeniye, Leningrad,
No 11, 1969, pp 10-13.
JPRS 49914

Sci-Energy Conv (non-prop)
Mar 70

403.513

The Role of the I. I. Polzunov Central
Scientific Research, Planning and Design
Boiler and Turbine Institute in the
Technical Progress Made by Soviet Power
Machine Building, by N. V. Ilyukhin.
RUSSIAN, per, Energomashinostroyeniye ,
No 11, pp 15-21.
Dept of Navy/NIC 2857

Sci-Misc
Aug 69

388,698

Experiment Equipment for Studying Thermal
Displacement Monitoring Devices in Large Steam
Turbines, by E.G. Oleinikov
RUSSIAN, per, Energomashinostroenie, Vol. 15,
Nov. 1969, p. 44.
C.E. Trans. 5443

Feb 1971

Operating Experience of Supercritical Steam Sets
in the USA and the German Federal Republic,
by I. V. Shapiro,
GERMAN, per. Energomashinostroyeniye, Vol. 14, No 11,
1969, pp 45-47.
NLL Ref: 9022.31 (4343)

Sci/Mech Engr
Apr 70

406,736

Analytical Treatment of the Condensation
of Wet Steam, by I.I. Kirilov,
V. N. Amelyurhkin, 15 pp.
RUSSIAN, per, Energomashinostroyenie,
no. 12, December, 1969 pp. 10-13.
CIA X-7229

May 70

Wear of A Z Type Coupling of Turbine Rotor Blades,
by V. N. Makarov. 7 pp.
RUSSIAN, per, Energomashinostroyeniye, Vol 15,
No 12, 1969, pp 36-37.
AIR/FTD/MP-24-48-71

Dec 71

Problems of Turbine Fire Safety Discussed,
9 pp.
RUSSIAN, per, Energomashinostroyeniye,
Leningrad, No 12, 1969, pp 42-44.
JPRS 50002

Sci-Energy Conv (Non-Prop)
Mar 70

402,308

Cavitational Erosion in Hydraulic Turbines. 15P.
RUSSIAN, per, ~~RUSSIAN~~, 1970,
No 1, pp 5-8.
AIR/FTD/MT-24-270-70

July 71

Discrete-Phase Method of Contactless
Measurement of Turbine Blade Vibrations,
by I.B. Zablotski, 12 pp.
RUSSIAN, per, Energomashinostroyeniye,
no. 1, Jan 1970, pp. 11-14.
CIA X-7220

April 70

404,994

Causes of Temperature Difference Between the Tops
and Bottoms of K-200-130 Turbine Cylinders and
Ways of Limiting Them, by I. T. Bepalyi.
RUSSIAN, per, Energomashinostroenie, Vol 10, No 1,
1970, pp 18-20.
NTPC 72-14183-13G
NLL 9022.09(5481)

Jan 73

Effect of Hydroturbine Operating
Conditions on the Intensity of
Cavitation Erosion, by N. I. Pylaev.
RUSSIAN, per, Energomashinostroyeniye,
No 1, 1970, pp 30-33
NTC 72-12250-13G

July 72