

**BARCOV, N.N.; SIMANOVSKIY, M.A.; KOLTUNOVA, M.P., red.; MEDVEDEVA, M.A.,
tekh.red.**

[Problems pertaining to methods for a more efficient operation of
freight transportation] Metodicheskie voprosy ratsionalizatsii
perevozok. Moskva, Vses.izd-ko poligr. ob"edinenie m-va putei
soob., 1960. 139 p. (Moscow, Vsesoiuznyi nauchno-issledovatel'skii
institut zheleznodorozhnogo transporta. Trudy, no.194).

(MIRA 13:10)

(Railroads--Freight)

NAUMOV, Georgiy Karpovich; SILAYEV, Nikolay Ionovich; STEFANOV, Nikolay Yakovlevich; USHAKOV, Pavel Semenovich; CHERNUKHA, Nikolay Timofeyevich; BERZHIGAL, Lazar' Davidovich; STARTSEV, A.N., inzh., retsenzent; KOLTUNOVA, M.P., red.; BOBROVA, Ye.N., tekhn.red.

[Economics of the work of railroad stations] Ekonomika raboty stantsii. Moskva, Vses.izdatel'sko-poligr.Ob"edinenie M-va putei soobshchenia, 1961. 262 p. (MIRA 14:6)
(Railroads—Stations)

AL'TSHULER, Grigoriy Aleksandrovich; LAKHMAN, Boris Nusimovich; SIDOROVICH, Nelli Ivanovna; KOLTUNOV, G.S., retsenzent; OSHEMKOV, N.P., retsenzent; KOLTUNOVA, M.P., red.; BOEROVA, Ye.N., tekhn. red.

[Planning in railroad transportation] Planirovanie na zheleznodoroznom transporte. Moskva, Vses. izdatel'sko-poligr. ob'edinenie M-va putei soobshchenia, 1961. 302 p. (MIRA 14:6)
(Railroads—Management)

SHVETSOV, Vasiliy Nikolayevich; YURCHENKO, I.F., retsenzent; KOLTUNOVA,
M.P., red.; USENKO, L.A., tekhn. red.

[Labor productivity in railroad transportation and ways of
improving it] Proizvoditel'nost' truda na zheleznodorozhnom trans-
porte i puti ee povysheniia. Moskva, Vses. izdatel'sko-poligraf.
ob"edinenie M-va putei soobshchenia, 1961. 45 p. (MIRA 14:10)
(Railroads—Labor productivity)

FROLOV, Georgiy Vasil'yevich; RUSANOVA, M.I., red.; KOLTUNOVA, M.P., red.; USENKO, L.A., tekhn. red.

[Establishing technical norms for loading and unloading operations in railroad transportation] Tekhnicheskoe normirovanie pogruzochno-razgruzochnykh rabot na zheleznodorozhnom transporte. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshchenia, 1961. 159 p. (MIRA 14:10)

(Railroads—Freight)

(Loading and unloading)

SITKOVSKIY, Il'ya Pavlovich; SOROKIN, G.Ye., retsenzent; GURARIY, M.G.,
retsenzent; KOLTUNOVA, M.P., red.; KHITROVA, N.A., tekhn. red.

[Use of plastics for railroad equipment] Plasticheskie massy v
zheleznodorozhnom dele. Moskva, Vses. izdatel'sko-poligr. ob"edi-
nenie M-va putei soobshcheniia, 1961. 180 p. (MIRA 14:11)
(Railroads--Equipment and supplies) (Plastics)

LIKIN, Aleksandr Ivanovich; GRIBOV, Il'ya Gavrilovich; REMENNIKOV, Izrail' Solomonovich; YURCHENKO, I.F., inzh., red.; MANIN, I.I., retsenzent; KACHALKIN, A.F., retsenzent; KOLTUNOVA, M.P., red.; VERINA, G.P., tekhn. red.

[Wages of workers engaged in locomotive operation, maintenance and repair; handbook] Oplata truda rabotnikov lokomotivnogo khoziaistva; spravochnik. Pod obshehei red. I.F.Iurchenko. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soobshchaniia, 1961. 254 p. (MIRA 15:2)

(Wages--Railroads)

UTKIN, Aleksey Vasil'yevich; EZERIN, Arnol'd Ernstovich; CHIZHITSKIY,
Ya.G., retsenzent; YURCHENKO, I.F., inzh., red.; KOLTUNOVA,
M.P., red.; KHITROV, P.A., tekhn. red.

[Wages in rolling stock operations; manual] Oplata truda v vagon-
nom khoziaistve; spravochnik. Pod obshchei red. I.F.Iurchenko.
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(Wages--Railroads)

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retsenzent; KOLTUNOVA, M.P., red.; VOROTNIKOVA, L.F., tekhn.
red.

[Establishing norms for track work and its technology] Normiro-
vanie putevykh rabot i-ikh tekhnologiiia. Moskva, Transzheldorizdat,
1962. 163 p. (MIRA 15:6)

(Railroads—Maintenance and repair)
(Production standards)

SAMSONOV, Aleksey Vasil'yevich; ITKIN, Lev Mendele'yevich; ZANOSOV, Yefim Georgiyevich; MANIN, I.I., retsenzent; YURCHENKO, I.F., inzh., red.; KOLTUNOVA, M.P., red.; KHITROVA, N.A., tekhn. red.

[Wages in the department of railroad traffic; manual] Oplata truda v khoziaistve dvizhenia zheleznykh dorog; spravochnik. Pod obshchei red. I.F.IUrchenko. Moskva, Vses. izdatel'skopoligr. ob"edinenie M-va putei soobshchaniia, 1962. 171 p. (MIRA 15:4)

(Wages--Railroads)

LUKIN, Yuriy Aleksandrovich; MANIN, I.I., retsenzent; YURCHENKO, I.F., inzh., red.; KOLTUNOVA, M.P., red.; VOROB'YEVA, L.V., tekhn. red.

[Wages of the workers of electrification agencies and power-engineering enterprises; a manual] Oplata truda rabotnikov sluzhby elektrifikatsii i energeticheskogo khoziaistva; spravochnik. Pod obshchei red. I.F.Iurchenko. Moskva, Transzheldorizdat, 1962. 122 p. (MIRA 15:7)
(Electric railroads--Salaries, pensions, etc.)

DUBITSKIY, M.N., inzh.; IVANOV, K.Ye., kand.tekhn.nauk; AL'BREKHT, V.G.,
retsenzent; FEL'DMAN, E.D., retsenzent; KOLTUNOVA, M.P., red.
MEDVEDEVA, M.A., tekhn.red.

[Determining the economic efficiency of the measures for the
mechanization of track overhauling operations] Opređenje
ekonomicheskoi effektivnosti meropriyatii po mekhanizatsii
kapital'nykh putevykh rabot. Moskva, Vses.izdatel'sko-
poligr.ob"edinenie Min-va putei soob., 1961. 92 p. (Moscow.
Vsesoiuznyi nauchno-issledovatel'skii institut zheleznno-
dorozhnogo transporta. Trudy, no.222). (MIRA 15:3)

(Railroads--Maintenance and repair)

(Railroads--Cost of operation)

ZAKHAROV, A.G., kand.ekon.nauk, nauchnyy sotrudnik; SHISHOV, G.A.,
inzh.-ekonomist, nauchnyy sotrudnik; ZAKHAROVA, Z.I., inzh.-
ekonomist, nauchnyy sotrudnik; TVERSKOY, K.N., retsenzent;
ABRAMOV, A.P., retsenzent; PETRUKHNOVSKIY, I.V., retsenzent;
KUZNETSOV, A.N., retsenzent; KOLTUNOVA, M.P., red.; USENKO, L.A.,
tekhn.red.

[Economic evaluation of the operational indices of railroads]
Ekonomicheskaya otsenka ekspluatatsionnykh pokazatelei raboty
dorog. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei
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institut zheleznodorozhnogo transporta. Trudy, no.218)

(MIRA 15:1)

1. Sektor ekonomiki Ural'skogo otdeleniya Vsesoyuznogo nauchno-
issledovatel'skogo instituta zheleznodorozhnogo transporta (for
Zakharov, Shishov, Zakharova).

(Railroads--Cost of operation)

PAKHMAN, T.A., kand.ekon.nauk; PONOMAREV, S.A., inzh.; KEDROVA, V.I.
inzh. [deceased]; KHANUKOV, Ye.D., retsenzent; KOLTUNOVA, M.P.,
red.; VASIL'YEVA, N.N., tekhn.red.

[Methodological problems of planning long distance passenger
transportation] Metodicheskie voprosy planirovaniia dal'nikh
passazhirskikh perevozok. Moskva, Vses.izdatel'sko-poligr.
ob"edinenie M-va putei soobshcheniia, 1962. 94 p. (Moscow.
Vsesoluznyi nauchno-issledovatel'skii institut zheleznodorozhnogo
transporta. Trudy, no.231). (MIRA 15:8)

(Railroads--Passenger traffic)

KULAGIN, Nikolay Nikolayevich; DUDAYEV, Pavel Ivanovich; KON'KOV,
P.S., retsenzent; DONTSOV, A.Ya., retsenzent; KOLTUNOVA,
M.P., red.; ~~VOROTNIKOVA~~, L.F., tekhn. red.

[Production norms in railroad transportation] Normirovanie
truda na zheleznodorozhnom transporte. Moskva, Transzhel-
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(Railroads—Production standards)

SHERPAKOV, Mikhail G., Igor'yevich; FISENKO, Vitaliy Isidorovich;
NOVIKOV, Yevgeniy Ivanovich; YURCHENKO, I.F., inzh., red.;
MANIN, I.I., retsenzent; KOLTUNOVA, M.P., red.; VOROTNIKOVA,
L.F., tekhn. red.

[Wages of track maintenance workers; manual] Oplata truda v pu-
tevom khoziaistve; spravochnik. Pod obshchei red. I.F.
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(MIRA 16:2)

(Wages--Railroads)

KOMARNITSKIY, Yu.A.; ORLOV, A.V.; SUBBOTIN, A.S.; BERNDT, N.V.,
retsensent; KOLTUNOVA, M.P., red.; VOROTNIKOVA, L.F.,
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[Potentials for increasing labor productivity on railroads]
Rezerty rosta proizvoditel'nosti truda na zheleznykh dorozh-
gakh. Moskva, Transzheldorizdat, 1963. 152 p.

(MIRA 16:5)

(Railroads--Labor productivity)

SHUKHATOVICH, Iosif Moiseyevich; IVANOV, A.P., retsenzent;
KOLTUNOVA, M.P., red.; KHITROVA, N.A., tekhn. red.

[Financial planning and accounting in the supply organiza-
tions of railroad transportation] Finansovoe planirovanie i
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dat, 1963. 387 p. (MIRA 16:4)
(Railroads--Finance)

GERMAYZE, E.Z.; SHVARTS, V.S.; KAN, I.L.; PORTNYAGIN, I.I.; MYACHIN,
I.K., retsenzent; KOLTUNOVA, M.P., red.; USENKO, L.A.,
tekhn. red.

[Moscow-Leningrad-Murmansk; railroad guide] Moskva - Leningrad -
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(Railroads--Guides)

ZADORIN, B.M.; KOLTUNOVA, M.P., red.; VASIL'YEVA, N.N., tekhn.
red.

[Finance and the economic analysis of transportation
construction] Finansy i ekonomicheskii analiz v trans-
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red.; VOROB'YEVA, L.V., tekhn. red.

[Organization and planning of transportation construc-
tion] Organizatsiia i planirovanie transportnogo
stroitel'stva. Moskva, Transzheldorizdat, 1963. 73 p.
(MIRA 17:2)

IVANOV, K.Ye., kand. tekhn. nauk; SHARBATOV, I.T., inzh.; SHUL'GA,
V.Ya., kand. tekhn. nauk, dots.; NAUMOV, A.N., retsenzent;
SHAFIRKIN, B.I., retsenzent; KOLTUNOVA, M.P.; red.;
BOEROVA, Ye.N., tekhn. red.

[Efficiency of the new technology and mechanization in
track operation, maintenance and repair] Effektivnost'
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OGANESOV, I.S.; KASPE, M.I.; ANPILOGOV, R.G., retsenzent;
KOLTUNOVA, M.P., red.; BOEROVA, Ye.N., tekhn. red.

[Planning, business accounting and the analysis of the production and administrative operations of transportation construction enterprises] Planirovanie, khoziaistvennyi raschet i analiz proizvodstvenno-khoziaistvennoi deiatel'nosti organizatsii transportnogo stroitel'stva, Moskva, Transzheldorizdat, 1963. 330 p. (MIRA 17:2)

SILAYEV, N.I., kand. ekon. nauk; KOLTUNOVA, M.P., red.; VOROB'YEVA,
L.V., tekhn. red.

[Labor productivity and work costs in stations] Proizvodi-
tel'nost' truda i sebestoimost' raboty na stantsiakh. Mo-
skva, "Transport," 1964. 56 p. (MIRA 17:3)

TARAN, S.N.; SHCHERBAKOV, M.G.; MANIN, I.I., retsensent; KOLTUNOVA, M.P., red.; YURCHENKO, I.F., red.; VOROB'YEVA, L.V., tekh. red.

[Wages in industrial enterprises and construction organizations of railroad transportation; a manual] Oplata truda v promyshlennykh predpriatiakh i stroitel'nykh organizatsiyakh zheleznodorozhnogo transporta; spravochnik. Moskva, Izd-vo "Transport," 1964. 246 p. (MIRA 17:4)

BELEN'KIY, Mark Naumovich; LARINA, Mariya Nikolayevna; PAVLOVICH,
Yevgeniy Stanislavovich; PAVLOVSKIY, Sergey Sergeevich;
RASTORGUYEV, Aleksey Iosifovich; KOLTUNOVA, M.P., red.

[Technical, industrial and financial plan and analysis of
the work of locomotive and car repair plants] Tekhpromfin-
plan i analiz deiatel'nosti lokomotivo-vagonoremontnykh
zavodov. [By] M.N.Beien'kii i dr. Moskva, Transport,
1964. 253 p. (MIRA 17:9)

SKIBA, Ivan Fomich, kand. tekhn. nauk; KOLTUNOVA, M.P., red.

[Economic efficiency of new equipment and the organization and technology of car repair] Ekonomicheskaja effektivnost' novoi tekhniki, organizatsii i tekhnologii remonta vagonov. Moskva, Transport, 1964. 242 p.
(MIRA 17:10)

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FLEYSHMAN, Feliks Moiseyevich; KOLTUNOVA, M.P., red.

[Analysis of the administrative operations of the line
enterprises of a railroad] Analiz khoziaistvennoi deiatel'-
nosti lineinykh predpriatii zheleznoi dorogi. Moskva,
Transport, 1965. 294 p. (MIRA 18:4)

SHCHERBAKOV, Mikhail Grigor'yevich; FISENKO, Vitaliy Isidorovich;
NOVIKOV, Yevgeniy Ivanovich; YURCHENKO, I.F., inzh., red.
KOLTUNOVA, M.P., red.

[Wages in the maintenance and operation of tracks, buildings
and structures; a manual] Oplata truda v khoziaistvakh puti,
zdanii i sooruzhenii; spravochnik. Izd.2., perer. i dop.
Moskva, Transport, 1964. 309 p. (MIRA 18:4)

BELEN'KIY. Mark Naumovich; KOLTUNOVA, M.P., red.

[Economics of railroad passenger transportation] Ekonomika zheleznodorozhnykh passazhirsikh perevozok. Moskva, Transport, 1965. 275 p. (MIRA 18:5)

NAUMOV, Georgiy Karpovich, kand. ekon. nauk; KONAREV, Nikolay
Semenovich, inzh.; SILAYEV, Nikolay Ivanovich, kand. ekon.
nauk dots.; FERAPONTOV, Gennadiy Viktorovich, inzh.;
CHERNUKHA, Nikolay Timofeyevich, inzh.; GOLITSIN, Boris
Vasil'yevich, inzh.; KRIMNUS, Grigoriy Kharitonovich, kand.
ekon. nauk, dots.; KOLTUNOVA, M.P., red.

[Economics of railroad freight transportation] Ekonomika gru-
zovogo khoziaistva zheleznykh dorog. Moskva, Transport,
1965. 238 p. (MIRA 18:12)

~~KOLTIKOVA~~, V., kand.tekhn.nauk; ALEKSEYEVA, L. inzh.

Air-entrained gypsum and cinder gypsum mastics for pasting gypsum
plaster board. Na stroi. Mosk. 1 no.4:13-14 Ap '58. (MIRA 11:9)
(Plaster board)

... KOVA, V.I.

Effect of illumination of solutions of crystalline riboflavin.
L. N. Kravchik and V. I. Koltunova. *Dokl. Akad. Nauk SSSR*.
- *Nauch. Issledov. Ish. Vitamin. Inst.* 1, 1974. The
most destructive action on riboflavin is produced by un-
filtered ultraviolet light and incandescent lamps (about 750
watt); infrared is less destructive. Illumination with
ultraviolet produces change in the spectrum of riboflavin,
which are illustrated: the max. at 283 nm shifts to shorter
wave lengths and the max. at 235 nm increases. M. K.

2

Vitaminization of food products
Kraevchen, and...
Nuch-...
equipment is needed...
soups, with vitamins...
eye-head products...
these... are...

KOLTUNOVA, V. I.

5(C)
AUTHORS: Saachbrakov, G. I., Koltunova, V. I., Mar. 2. P., Zhukovskaya, E. Koltunova, V. I., Prochurashvili, S. A.

TITLE: Synthetic Investigations in the Field of Polyene Compounds XV. A Complete Synthesis of Citral

SYNOPSIS: Zhurnal obshchey khimii, 1959, Vol. 29, Nr. 6, pp 2575-2578 (USSR)

ABSTRACT: Citral is the initial product for the synthesis of vitamin A, the carotinoids, and a number of fragrant substances. The authors from authors (1) have shown that the synthesis of citral can be carried out by condensation with acrylonitrile, ethoxy-acrylates, partial hydrogenation, and aromatization of the resultant 1-ethoxy-3,7-dimethyl-octadien-2,6-di-ol-3 (Ref 4), as well as according to reference 5. In the present paper the synthesis of citral from (I) is carried out without organo-metallic compound according to the given scheme. Otherwise, compound (II) is formed when using the easily accessible tetrahydro-silane in the presence of orthophosphoric acid, a small quantity of p-toluene-sulfonic acid, and 0.5 mole of (I): 6-methyl-heptene-5-one-2.

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alcohol per 1 mole of initial ketone (95-97%) (Ref 6). The authors investigated the reaction of the ketal (II) with the ethyl-vinyl ether under the influence of the catalyst ZnCl₂ and 4Et₃N(C₂H₅)₂·2 EtCl₂ was found to give less side products on condensation and to produce compound (III) in a 60-65% yield. In the subsequent purification reaction, under separation of one molecule of alcohol, citral is obtained under the influence of a 15% sodium-acetate solution and acetone under the influence of 100-110°. The yield is 42-45%. A prolonged reaction time causes an autocondensation of the citral. The purification of citral is carried out via its bisulfite derivative. There are 1 fig-ure and 9 references, 4 of which are Soviet.

ASSOCIATION: Vsesoyuzny nauchno-issledovatel'skiy vitaminsiy institut (All-Union Scientific Institute for Vitamin Research)

SUBMITTED: July 14, 1959

Card 2/2

DEVYATNIN, V.A.; KOLFUHOVA, V.I.

Study of the stability of calciferol. Trudy VNIVI 6:128-131
'59. (MIRA 13:7)

1. Khimiko-analiticheskaya laboratoriya Vsesoyuznogo nauchno-
issledovatel'skogo vitaminnogo instituta.
(VITAMINS--D)

KOLTUNOVA, V.I.

Method for studying phosphoric esters of thiamine. Trudy VNIIV
6:246-249 '59. (MIRA 13:7)

1. Khimiko-analiticheskaya laboratoriya Vsesoyuznogo nauchno-
issledovatel'skogo vitaminogo instituta.
(THIAMINE)

KOLTUNOVA, V.I.

Polarographic determination of tocopherols in vegetable oils.
Trudy VNIIV 6:260-265 '59. (MIRA 13:7)

1. Khimiko-analiticheskaya laboratoriya Vsesoyuznogo nauchno-
issledovatel'skogo vitaminного instituta.
(TOCOPHEROL)

BEREZOVSKIY, V. M.; KOLTUNOVA, V. I.; SHLIMOVICH, Ye. A.; DEVIATNIN, V. A.

Nucleotides, coferments, phosphoric esters. Part 1: Synthesis
of a monophosphoric ester of thiamine phosphate. Zhur. ob.
khim. 32 no.12:3890-3892 D '62. (MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut.

(Thiamine) (Phosphoric acid)

BEREZOVSKIY, V. M.; KOLTUNOVA, V. I.; PEKEL', N. D.; SHLIMOVICH, Ye. A.

Nucleotides, coenzymes, phosphoric esters. Part 2: Synthesis
of cocarboxylase. Zhur. ob. khim. 33 no. 1:49-55, '63.
(MERA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut.

(Cocarboxylase)

BRODERZON, E.A.; LUKASHIK, N.K.; KOLTUNOVA, V.I.

Effect of thiamine diphosphate on lipid metabolism in diabetes mellitus. Zdrav. Bel. 9 no. 7:17-19 J1'63 (MIRA 17:4)

1. Iz kafedry propedvtiki vnutrennikh bolezney (sav. - prof. N.I. Shvarts), kafedry biokhimi (sav. - dotsent Yu.M. Ostrowskiy) Grodnenskogo meditsinskogo instituta i laboratorii sinteza kofer-mento v Vsesoyuznogo nauchno-issledovatel'skogo vitaminogo Instituta, Moskva.

KOLTUNOVA, V.V.

"The Influence of High Temperatures on the Precipitation of Minerals in Portland Cement." Cand Tech Sci, Central Sci-Res Inst of Industrial Structures, 29 Dec 54.
(VM, 21 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

KOLTUNOVA, V.V. kand.tekhn.nauk

Effect of high temperatures on the separate hydrated minerals of
portland cements. Trudy NIIZHB no.7:123-172 '59. (MIRA 12:11)
(Portland cement)

KOLFUNOVA, V.V., kand.tekhn.nauk

Effect of heating cements of various mineral compositions on their
strength. Trudy NIIZHB no.7:173-186 '59. (MIRA 12:11)
(Cement)

KOLTUNOVA, V.V., kand.tekhn.nauk

Testing Kashira slags to be used as aggregates in making heat-resistant concretes. Trudy NIIZHB no.7:187-203 '59. (MIRA 12:11)
(Slag) (Concrete)

DOBRYNIN, Fedor Tikhonovich; REYNIN, S.N., dots., kand. tekhn. nauk, retsenzent; KOLTUNOVA, V.V., dots., kand.tekhn.nauk, retsenzent; KVITNITSKIY, R.N., dots.,kand.tekhn.nauk, retsenzent; SHLEINA, L.A., dots., kand.tekhn.nauk,retsenzent; RYBAKOVA, T.A., dots.,kand.ekon.nauk,retsenzent; NOVITSKIY, M.D., retsenzent; RYABOVA, O.A., red.

[Principles of construction work and planning and estimates operations] Osnovy stroitel'nogo i proektno-smetnogo dela. Moskva, Vysshaia shkola, 1964. 245 p. (MIRA 17:12)

1. Moskovskiy inzhenerno-ekonomicheskii institut im. Sergo Ordzhonikidze (for Reynin, Koltunova, Kvitnitskiy, Shleina).
2. Moskovskiy finansovyy institut (for Rybakova).
3. Glavnyy spetsialist tekhnicheskogo upravleniya Stroybanka SSSR (for Novitskiy).

L 04055-67 EWT(m)/T/EWP(w)/EWP(t)/ETI IJP(c) JD/WB

ACC NR: AR6026313

SOURCE CODE: UR/0277/66/000/004/0013/0013

AUTHOR: Gugel', S. M.; Fishteyn, B. M.; Koltunova, Ye. P.

TITLE: Investigating the effect of initial structure and heat treatment conditions on the corrosion resistance and mechanical properties of acid-resistant 1Kh18N12M2TL sheet steel

SOURCE: Ref. zh. Mashinostr mat konstr i raschet detal mash. Gidropr, Abs. 4.48.99

REF SOURCE: Sb. rabot Rostovsk.-n/D. n.-i. in-ta tekhnol. mashinostr., vyp. 11, 1965, 138-149

TOPIC TAGS: steel structure, metal heat treatment, corrosion resistant steel, sheet metal

ABSTRACT: The authors study the effect which various heat treatment conditions and the structures characteristic for each set of conditions have on the mechanical properties of 1Kh18N12M2TL steel. It is found that the optimum hardening temperature for sheet components made from 1Kh18N12M2TL steel is 1150°C with a holding time of 2 hours. The rate at which the components are heated does not have any considerable effect on the change in structure and properties of sheet steel heat treated at optimum temperatures and holding time. [Translation of abstract]

SUB CODE: 11

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UDC: 669.14.018.8:620.193

KOLTUNOVICH, O.I., SHARETSKIY, V.YE.

Poultry - Feeding and Feeding Stuffs

Poultry-breeding farm of the Lenin Collective Farm. Sots.zhiv., 14, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

KOLTUNOVICH, O.I.

Turkey farming in Krasnodar Territory. Ptitsevodstvo 9 no.5:6-9
№ '57. (MIRA 12:7)

1. Glavnyy zootekhnik Upravleniya ptitsevodstva i inkubatorno-
ptitsevodchевodskaya stantsiya Krasnodarskogo kryasel'khozuprav-
leniya.
(Krasnodar Territory--Turkeys)

KOLTUNOVICH, O.I.

Poultry farming for meat production in the Kuban. Ptitsevodstvo 9
no.6:18-20 Je '59. (MIRA 12:10)

1.Glavnyy zootekhnik Upravleniya ptitsevodstva i inkubatorno-
ptitsevodcheskoy stantsii Krasnodarskogo kraysel'khozupravleniya,
(Krasnodar Territory--Poultry)

KOLTUNOVSKAYA, B. (g. Zaporozh'ye); DEKHTYAR', L. (g. Zaporozh'ye).

Production of microperite has been started. Stroi. mat. 3 no.5:34
My '57. (MIRA 10:6)

1. Nachal'nik stroitel'noy laboratorii tresta "Zaporozhalyuminstroy"
(for Koltunovskaya), 2. Glavnyy inzhener Dneprovskogo zavoda silikat-
nogo kirpicha (for Dekhtyar')
(Zaporozh'ye--Insulating materials) (Lightweight concrete)

KOLTUNOVSKAYA 3 B

PEVZNER, E., kandidat tekhnicheskikh nauk; MATVEYENKO, V. inzhener.
KOLTUNOVSKAYA, B., inzhener.

Building machinery and power tools. Stroitel' no.3:16-17 Kr '57.
(Painting, Industrial) (Spray painting) (MIRA 10:4)

KOLTUNOVSKAYA, B.

KOLTUNOVSKAYA, B.

Rapid drying of lumber in petrolatum. Stroi.mat. 3 no.11:10
N '57. (MIRA 10:12)

1.Nachal'nik stroitel'noy laboratorii tresta "Zaporozhalyuminstroy."
(Lumber--Drying)

KOLTUNOVSKAYA, V.P. B.M.
KOLTUNOVSKAYA, B.M., inzh.; ZESHCHINER, B.M., inzh.

Laying alkaliproof floors. Stroil. prom. 35 no.12:42-43 D '57.
(Floors, Concrete) (MIRA 11:1)

KOLFUNOVSKAYA, B.

Using pulverized ferrochrome slags in producing building materials.
Stroi,mat. 4 no.10:16-17 0 '58. (MIRA 11:11)

1. Nachal'nik stroitel'noy laboratorii tresta Zaporozhalyuminstroy.
(Slag) (Building materials)

KOLFUROVSKAYA, B., inzh.

Methods for producing microporous concrete. Stroi. mat. 4 no.12:
28-29 D '58. (MIRA 11:12)
(Building materials)

KOLTUNOVSKAYA, B.M., inzh.; DEKHTYAR', L.A., inzh.

Making and using "microporite" at the "Zaporozhaliuminstroi" Trust.
Nov. v proizv. stroi. mat. no.1:13-21 '59.

(MIRA 12:12)

(Zaporosh'ye--Insulating materials)

KOLTUNOWICZ, M.

"Collecting straw and chaff behind the S4 combine."
Nowe Rolnictwo, Warsaw, Vol 3, No 7, July 1954, p. 106

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

KOLTUNOWICZ, Michal; WERES, Stanislaw

Some results of studies on the economy and organization of the mechanization of farming in the Poznan-Strzeszyn Experiment Station of the Institute of Mechanization and Electrification in Agriculture in the period 1957-1961. Zesz probl post nauk roln no. 44:213-227 '64.

1. Institute of Mechanization and Electrification in Agriculture, Warsaw.

ALSHINBAYEV, M.R.; AMELIN, V.P.; ANDRIANOVA, O.V.; GASIYEV, Zh.;
DEGRAF, G.A.; INKAREEKOV, A.B.; KOLOMYTSEV, I.V.; KOLTUSHKIN,
I.S.; MALAKHOV, V.P.; MONASTYRSKIY, A.O.; REZNIKOV, B.N.;
SAKHAROV, I.V.; SENNIK, V.K.; SOSNIN, V.A.; SURKO, V.I.;
SURKOV, Ye.P.; SYRLYBAYEV, S.N.; USIKOV, N.V.; UCHAYEV, A.F.;
SHESTOPALOV, Ye.V.; SHERMAN, R., red.; GOROKHOV, L., tekhn.
red.

[Study manual for a machinery operator] Uchebnik-spravochnik
mekhanizatora. Alma-Ata, Kazsel'khozgiz, 1963. 326 p.

(MIRA 16:12)

1. Alma-Ata, Kazakhskiy gosudarstvennyy sel'skokhozyaystven-
nyy institut. Fakul'tet mekhanizatsii. 2. Sotrudniki fakul'-
teta mekhanizatsii Kazakhskogo gosudarstvennogo sel'sko-
khozyaystvennogo instituta (for all except Sherman, Gorokhov).
(Agricultural machinery)

KOLUSHOV, N.P., prepodavatel'

Compound method of treating actinomycosis. Veterinaria 42 no.7:
62-63 JI '65. (MIRA 18:9)

1. Krasnoslobodskiy zootekhnicheskoye-veterinarnyye tekhnikum
Mordovskoy ASSR.

KOLUSHOV, N.P., zasluzhennyy veterinarnyy vrach Mordovskoy ASSR.

Cutters for the trimming of hoofs. Veterinariia 42 no.7:107
Jl. '65. (MIRA 18:9)

KOL'TYAKOV, N.

We build dwellings ourselves. Blok.agit. vod. transp. no.1:
22-28 Ja '57. (MLBA 10:2)

1. Nachal'nik Kaspiyskogo reydivogo parokhodstva.
(Housing)

KOLTYGA, L.M., uchitel'

Individual safety screens. Politekh.obuch. no.5:80 4y '59.
(MIRA 12:7)

1. Shkola-internat No.3 g.Leningrada.
(Metalcutting--Safety measures)

KOLTYGIN, V. A.

"Change of the Physicochemical Properties of Leather Depending on Free and Combined Water." Sub 29 Jun 51, Moscow Inst of National Economy
inemi G. V. Flekhanov

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

KOLTYPIN, Aleksandr Alekseyevich, prof.; LANGOVOY, Nikolay Ivanovich, prof.;
VLASOV, Viktor Alekseyevich, prof., red.; YAGOROVA, N.S., red.;
BEL'CHIKOVA, Yu.S., tekhn. red.

[Children's diseases] Detskie bolezni. Pod red. V.A. Vlasova. Izd.9.
Moskva, Gos. izd-vo med. lit-ry, 1956. 498 p. (MIRA 11:7)
(PEDIATRICS)

KOLTYPIN, Aleksandr Alekseyevich; LANGOVOY, M.I.; VLASOV, V.A., red.

[Children's diseases] Detskie bolezni. Pod red. V.A. Vlasova.
10 izd. Moskva, Medgiz, 1957. 518 p. (MIRA 12:1)
(CHILDREN--DISEASES)

KOLTYPIH, A.L., inzhener.

Results of the conferences in Tashkent and Stalinabad. Masl.-
zhir.prom. 20 no.1:9-11 '55. (MLRA 8:3)

1. Glavraszhirmaslo.
(Oil industries)

1956 YF-4, H.L.
LEONT'YEVSKIY, Konstantin Yefimovich; KOLTYPIN, A.L., retsenzent, spetsredaktor; PITKEVICH, M.G., retsenzent, spetsredaktor; SEMENOVA, H.L., redaktor; CHEBYSHEVA, Ye.A., tekhnicheskiiy redaktor

[Production of vegetable oils] Proizvodstvo rastitel'nykh masel. Moskva, Pishchepromizdat, 1956. 311 p. (MLBA 10:4)
(Oils and fats)

KOLTYPIN, A.L., inzhener.; MINASYAN, M.A., kandidat tekhnicheskikh nauk.

Operation of an oil extraction plant in Finland. Masl.-zhir. prom.
23 no.4:38-41 '57. (MIRA 10:5)

1. Ministerstvo promyshlennosti prodovol'stvennykh tovarov (for
Kolytin). 2. Trest "Krasnodarshirmaslo" (for Minasyan).
(Finland--Oils and fats)

IL'IN, S.S.; PITKEVICH, M.G., inzh.; KOLTYPIN, A.L., inzh.

Basket-type horizontal extractor designed by Il'in. Masl.-zhir.
prom. 24 no. 8:18-22 '58. (MIRA 11:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for Il'in).
2. Gosplan RSFSR (for Pitkevich). 3. Giproshir (for Koltypin).
(Oil industries--Equipment and supplies)

BELOBORODOV, V.V.; CHUDNOVSKAYA, M.A.; KOLTYPIN, A.L., spets.red.;
PRASS, B.Yu., vedushchiy red.

[Improvement of the process of micelles distillation in the
oil extraction industry] Uluchshenie protsessa distillatsii
mistseily v masloekstraktsionnom proizvodstve. Moskva, Gosinti,
1959. 17 p. (MIRA 13:6)
(Oil industries) (Micelles)

KOLTYPIN, A.L., inzh.

Klod extraction apparatus. Masl.--zhir.prom. 26 no.8:42-43
Ag '60. (MIRA 13:8)
(Japan--Extraction apparatus)

POPOV, N.N., inzh.; KOLTYPIN, A.L., inzh.; TSIRKOV, K.I., inzh.

PKTs-1 extraction plant. Masl.-zhir.prom. 26 no.12:37-38 D '60.
(MIRA 13:12)

1. Giprozhir.

(Extraction apparatus)

APOKIN, Igor' Alekseyevich; KIPARENKO, Galina Fedorovna; KOLTYPIN,
I.S., red.

[Thin magnetic films in computer technology] Tonkie magnitnye plenki v vychislitel'noi tekhnike. Moskva, Energiia, 1964. 61 p. (Biblioteka po avtomatike, no.102)
(MIRA 17:9)

KOLYPIN, I.S., inzh.

Conference on magnetic elements of automatic control and
computer engineering. Elektrotehnika 35 no.1:62-64
Ja '64. (MIRA 17:2)

KOLTYPIN, I.S., inzh.; UL'YANOVA, Ye.K., inzh.

Operative memory device with automatic apparatus control.
Elektrotehnika 35 no.6:51-53 Je '64. (MIRA 17:8)

KAGAN, B.M., doktor tekhn. nauk; DOLKART, V.M., kand. tekhn. nauk; NOVIK, G.Kh.,
kand. tekhn. nauk; STEPANOV, V.N., inzh.; KANEVSKIY, M.M., inzh.;
LUK'YANOV, L.M., inzh.; TANAYEV, M.Ya., inzh.; POLYAKOV, V.N., inzh.;
KOLTYPIN, I.S., inzh.; UL'YANOVA, Ye.K., inzh.; ADAS'KO, V.I., inzh.;
MOLCHANOV, V.V., inzh.; VOITELEV, A.I., inzh.

The "VNIEM-1" universal control computer. Elektrotehnika 35 no.7:
4-10 '64. (MIFA 17:11)

L 59520-65 EWT(d)/T/EWP(1)/EED-2 Pa-4/Pg-4/Pk-4 IJP(o) BB/GG
 UR/0286/65/000/008/0069/0070
 681.142.32

ACCESSION NR: AP5015535
 AUTHOR: Kagan, B. M.; Dolkart, V. M.; Novik, G. Kh.; Kanevskiy, M. H.; Luk'yanova, L. M.; Stepanov, V. N.; Ul'yanova, N. K.; Koltypin, I. S.; Adas'ko, V. I.; Molchanov, V. V.; Voitelev, A. I.

TITLE: General-purpose digital control computer. ^{16V} Class 42, No. 170218

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1969, 69-70

TOPIC TAGS: computer, control computer, arithmetic unit, adder, register, amplifier, analog digital converter, digital multiplier

ABSTRACT: An Author Certificate has been issued for a digital control computer consisting of an arithmetic unit, magnetic core memory unit, control unit, input/output unit, magnetic tape memory, teletype, perforator, universal converter, and operator console. The system is economical, fast-acting, and reliable due to a number of distinct features incorporated into its design. Economy is achieved by a special arrangement of the adder and the memory unit with its output parity check control. Speed is increased by an asynchronous mode of operation, and a special design of the adder, in which the time necessary for information distribution is kept to a mini-

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L 59520-65

ACCESSION NR: AP5015535

mum. High overall reliability is achieved by a temperature-stabilized, high-speed, disturbance-immune memory unit design. Other reliability features include the absence of interference between the B-register contents and its counter, a longitudinal parity check for the punch tape, an automatic tape misalignment guard, and automatic drift compensation in the multichannel A/D and D/A converters. [BD]

ASSOCIATION: Vsesoyuznyy Ordena trudovogo krasnogo znameni/ nauchno-issledovatel'skiy institut elektromekhaniki (All-Union Scientific Research Institute of Electronics-
chénics)

SUBMITTED: 06Mar64

ENCL: 00

SUB CODE: DP

NO REF SOV: 000

OTHER: 000

ATD PRESS: 4053

Card 2/2

KOLTYPIN, I.S., inzh.; TASHCHIYAN, V.V., inzh.; SHATSKIY, M.V., inzh.

Voltage regulator using p-n-p-n transistor devices.
Elektrotehnika 36 no.11:37-39 N '65.

(MIRA 18:11)

S/112/59/000/015/056/068
A052/A002

Translation from: Referativnyy zhurnal, Elektrotehnika, 1959, No. 15, p. 199,
32354

AUTHOR: Koltypin, P.N.

TITLE: Practice of Mechanization and Automation of Production Processes ✓

PERIODICAL: Buyl. tekhn.-ekon. inform. Sovnarkhoz Rostovsk. ekon. adm. r-na,
1958, No. 10, pp. 21-23

TEXT: At the Novocherkasskiy elektrovoznny zavod (Novocherkassk Electric Locomotive Plant) the operations of cutting cables and wires, removing insulation from the ends, pressing and sheathing, screwing up fasteners are mechanized. Semiautomatic and automatic welding is applied. Production lines are introduced. In 1957 and during a period of 8 months in 1958, 2.4 million rubles were saved by mechanization and automation.

N.M.F.

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

KOLTYPIN, P.N., inzh.

New developments in the electric locomotive industry.
Vest. elektroprom. 32 no.5:53-54 My '61. (MIRA 15:5)
(Electric locomotives)

S/262/62/000/002/011/017
1008/1208

AUTHOR: Aronov, D., Koltypin, S. and Shestukhin, V.

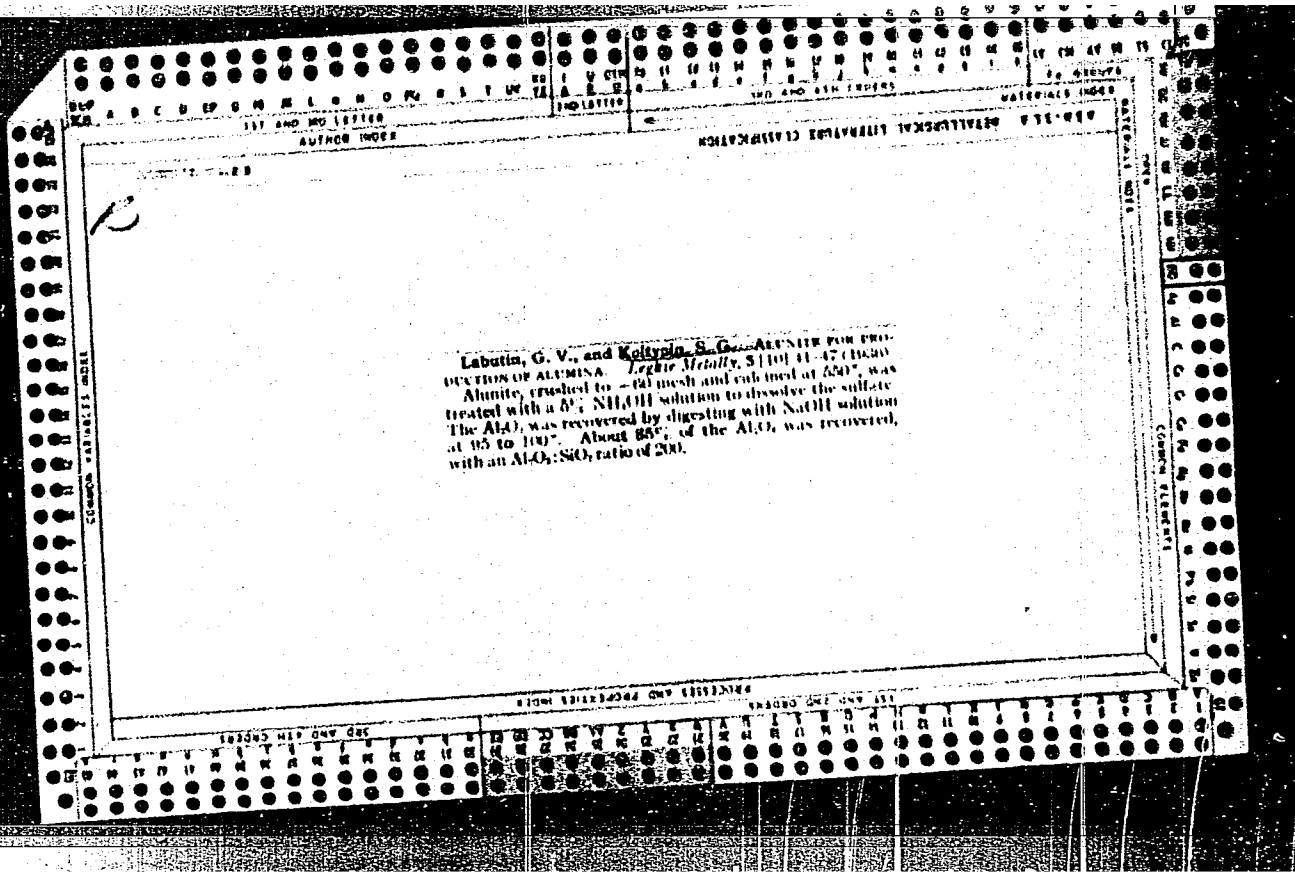
TITLE: Effect on engine performance upon removal of scum from the cooling system

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 2, 1962, 56, abstract 42.2.318. "Avtomob. transport", no. 4, 1961, 14-16

TEXT: Tests have shown that the removal of scum from the cooling system of an engine by flushing it with acids improves, due to an increase in the packing factor and a decrease in detonation, the mechanical and economic efficiencies by 4%. The composition of a scum-removing solution of hydrochloric acid and a method of flushing the cooling system are given. There are 4 figures.

[Abstracter's note: Complete translation.]

Card 1/1



KOLTYPIN, S. G.

Solubilities of sodium fluosilicate and aluminum fluoride in water and hydrogen fluoride. N. S. Nikolov, N. A. Ivany and S. G. Koltypin. J. Applied Chem. (U.S.S.R.) 9, 1183-90(1936).--The soly. of Na_2SiF_6 in HF solns. (0.5, 20, 25%) and water was investigated at 0° , 10° , 20° and 50° . Its soly. in water increases with increase of temp. (from 0.537 at 10° to 1.278 g. per 100 g. of soln. at 50°), and that in HF with increase of the HF concn. and temp. (from 0.45 g. in 0.1% HF at 0° to 1.43 g. per 100 g. of soln. in 26.48% HF at 50°). The soly. was detd. by weighing the dried (at 120°) undissolved residue of Na_2SiF_6 and by conversion of the latter into Na_2SO_4 and weighing as such. The soly. of $\text{Al}_2\text{F}_6 \cdot 5\text{H}_2\text{O}$, which was prepd. by treating Al_2O_3 with 15% HF at b. temp., increases in water with increase of temp. (from 0.127 g. at 0° to 2.42 g. per 100 g. of sln. at 102°), and in HF with the increase of HF concn. and temp. (from 0.20 in 0.5% HF at 18° to 1.26 in 1.0% HF and 5.20 g. per 100 g. of soln. in 40% HF at 60°). The compn. of $\text{Al}_2\text{F}_6 \cdot 5\text{H}_2\text{O}$ was detd. by analyses of its samples dried in air, over H_2SO_4 , and pressed between filter paper. The dehydration temp. of $\text{Al}_2\text{F}_6 \cdot 5\text{H}_2\text{O}$ is 300° . It has an orthorhombic cryst. structure. Soly. diagrams are constructed and analytical data are tabulated. Eight references.

A. A. Podgorny

18

ca

Desilicization and precipitation of aluminate solutions.
G. V. Labutin and S. G. Kolyadin, *Lepko Metal.* 5,
No. 11, 7-13(1930). Aluminate solns. obtained from
alumite contg. Al_2O_3 63-124, SiO_2 0.31-1.43 and 56%
29-38 g. per l. were desilicized in autoclaves and simul-
taneously evapd. to a concn. of 120-187 g. Al_2O_3 per l.
For pptn. of Al_2O_3 the soln. was diltd. to 100 g. per l.
The Al_2O_3 ppt. contained 0.2% SiO_2 . H. W. Rathmann

430-11A METALLURGICAL LITERATURE CLASSIFICATION

KOLTYPIN, S. G.

Brusyantsev, N. V. and Koltypin, S. G. "The use of polarographic analysis in investigating the wear of automobile engines," Sbornik nauch. trudov (Tsent. nauch.-issled. in-t avtomob. transporta), Issue 5, 1949, p. 60-91, - Bibliog: 19 items.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 18, 1949).

KOLTYPIN, S. G.

USSR/Chemistry - Analysis, Oils

Dec 50

"Polarographic Determination of Cobalt in Oils Used
in Tractor Engines," S. G. Koltypin, Cen Sci Res
Inst of Motor Transport

"Zavod Lab" No 12, pp 1430, 1431

Uses pyridine which forms stable sol complexes with
Co and pptns Fe at relatively low pH. This excludes
possibility of copptn of Co and, as result, method
proved sufficiently precise. Detns made on model
VII polarograph of Gor'kiy Chem Inst.

18216

1ST AND 2ND SERIES PROCESSES AND PROPERTIES INDEX

2881. POLAROGRAPHIC DETERMINATION OF IRON AND LEAD IN USED OILS.
Kcl'typin, S. G. (Zavodnaya Lab. (Factory Lab.), 1950, vol. 16,
418-422; abstr. in Chem. Abstr., 1950, vol. 44, 11075).

Results of numerous analyses of used motor oils led to the following conclusions: The proportionality of the wave height and Fe concentration declines with increased Fe concentration and at 0.006 M reaches 5-7%. Adsorption by $PbCl_2$ of Fe ions is low and approximates the experimental error. A gradual rise of Pb and Fe in the ash from the oil is noted as the length of service of the oil increases. The determination of Pb by dry ashing at 500-550° (author and Brusyantsev, Sbornik Nauch. Trudy. Ts. N.I.I.A.T., No. 5 (1949) is satisfactorily done for motor oils.

ABSTRACTS METALLURGICAL LITERATURE CLASSIFICATION

ABSTRACTS	METALLURGICAL LITERATURE CLASSIFICATION	RELATIONSHIP

1ST AND 2ND SERIES PROCESSES AND PROPERTIES INDEX

CA

Polarographic determination of cobalt in used tractor lubricating oils. S. G. Kolytyn. *Zavodskaya Lab.* 16, 1430-1 (1950).—The NH₄ method of sepn. of Co from Fe and Pb is unsatisfactory. In pyridine the half-wave potential of Co is -1.07 v. (0.1 M pyridine soln.) and the wave is clearly defined with a max. that is easily depressed by means of gelatin. Large amts. of Cu interfere with the

detn. of Co by this method. The sample is evapd. in a crucible, calcined in a muffle at 500-600°, treated with 10 ml. 1:1 HCl and 5-6 drops HNO₃, evapd., treated with 2 N HCl, warmed until dissolved, transferred to a 100-ml. flask, treated with 5 ml. pyridine and 0.25 ml. 5% gelatin, dild. to 100 ml., and 10 ml. aliquot of clear soln. is electrolyzed after 20-5-min. passage of H. The polarogram is taken at 0.9-1.2 v. conventionally and used against a calibration curve. The error is usually less than 3% for 0.08% levels.
G. M. Kosolapoff

KOLTYPIN, S.G.

BRUSYANTSEV, N.V., kandidat tekhnicheskikh nauk; KOLTYPIN, S.G.;
SENICHKIN, M.A.

Method of determining the contents of admixtures in lubricating oils.
Standartizatsiia no.4:53-56 JI-Ag '54. (MLBA 8:2)
(Lubrication and lubricants--Standards)

3945 Polarographic determination of lead in solutions containing lead
of symposium. *Journal of Applied Electrochemistry*, 1958, 2, 10-12.
Metallurgizat, 1958, 10, 10-12.
1958, *Asthi*, No. 12, 10-12.
considerable amount of lead is precipitated as Pb^{2+} , which is reduced at a rate faster than Pb^{4+} . The latter reduces the value of the current at low concentrations of Pb^{4+} . Pb^{4+} is reduced less noticeably than Pb^{2+} . The errors may be allowed for by taking into account the decrease in the diffusion current in the presence of Pb^{2+} .

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KOLTYPIN, S.; GERASIMOVICH, I.

Removing scale from engine cooling systems. Avt.transp. 35
no.6:27-29 Je '57. (MLRA 10:7)

1. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta
(for Koltypin). 2. Avtobaza Voenno-morskogo flota (for Gerasimovich).
(Automobiles--Engines--Cooling)

KOLTYPIN, S.G.

AUTHOR: Koltypin, S.G., Candidate of Technical Sciences 28-6-23/40

TITLE: Determining the Barium Content in Additions and in Oils with Additions (Opredeleniye sodержaniya bariya v prisadkakh i maslakh s prisadkami)

PERIODICAL: Standartizatsiya, 1957, # 5, pp 64 - 65 (USSR)

ABSTRACT: The existing Soviet standard method (ГОСТ 7187-54) of determining the barium content in automobile and diesel oils and in additions to these oils consists in ashing the oil (or the addition) and consequent treating of the ash in a sulfuric acid solution and determining the addition by the barium sulfate sediment. This method requires up to 14 hours time and is not perfect, since such additions as "ЦИАТИМ-339" do not ash completely. Besides, the method requires holding the crucible at a temperature of not over 550°C for 6 to 8 hours, for otherwise the silicon acid will pass from the crucibles into the ash and the test result will be wrong. A small quantity of barium can also be adsorbed by the crucible porcelain. The Scientific Research Institute of Automobile Transport (Nauchno-issledovatel'skiy institut avtomobil'nogo transporta), or NIIAT, has developed

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28-6-23/40

Determining the Barium Content in Additions and in Oils with Additions

a new method which eliminates to a considerable degree the aforementioned drawbacks. This new method consists in the following. The addition or the oil containing an addition, will be kept at 550°C for one hour, during which time the carbon will be not fully burned. The obtained ash will be treated under heating by concentrated sulfuric acid (in the presence of nitric acid) until the sediment is completely dissolved, the rest of the carbon burned and the nitric acid removed. This operation takes half an hour. The colorless solution, now free of organic compounds, will be diluted by water. This causes a precipitation of barium sulfate. This sediment will be filtered off, washed, dried by heating, and weighed. If the barium solution, which is usually clear in concentrated sulfuric acid, becomes turbid in the presence of silicon acid, the obtained barium sulfate must be treated by fluoric acid. A comparison test on pure reagents in platinum crucibles proved both methods close in accuracy of analysis, but the NIIAT method is the more accurate.

ASSOCIATION: NIIAT

AVAILABLE: Library of Congress

Card 2/2 1. Industry-USSR 2. Oils-Barium content-Standards

BRUSYANTSEV, N.; KOLTYPIN, S.; OKHRIMENKO, L.

The AC-9,5 motor oil produced of eastern sulfurous petroleum.
Avt. transp. 36 no.12:13-15 D '58. (MIRA 11:12)

1. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta.
(Automobiles--Lubrication)

~~KOLTYPIN, S.~~

Corrosion inhibitors for engine cooling systems. Avt.transp. 37
no.4:16-18 Ap '59. (MIRA 12:6)
(Corrosion and anticorrosives)

KOLTYPIN, Sergey Georgiyavich; TEBENIKHIN, Ye.F., nauchnyy red.;
GALAKTIONOVA, Ye.N., tekhn. red.

[Removing scale from cooling systems of motor-vehicle engines]
Udalenie nakipi iz sistemy okhlazhdenia avtomobil'nykh dviga-
telei. Moskva, Avtotransizdat, 1962. 60 p. (MIRA 15:11)
(Motor vehicles—Engines—Cooling)

KOLTYPIN, S.G., kand. tekhn. nauk; GORBACHEVA, N.V., inzh.

Laboratory analysis of samples of used oils. Eksp. -tekh. svois.
i prim. avt. top. smaz. mat. i spotazhid. no.3176-82 '63.

(MIRA 17:10)