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JPRS 13041

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(6 figs. will not reproduce) 3 refs. M1910.
Order from L.C. or S.L.A. mi\$2. 40, ph\$3. 30 61-13298

Trans. of Akad[emiya] Nauk SSSR. Otd[eleniye]
Tekh[nicheskikh] Nauk. Izv[estiya] 1958, no. 1,
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scope monitored servo power units is considered
under conditions of motion when the angle between
the platform and the external frame is no longer
small. The position of the platform axes and of the
gyroscope axes is defined by four variables. By set-
ting up the Euler equations for each of the constituent
elements of the system, four nonlinear equations are
derived, which the motion of the system obeys. For
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L-Serine hydrochloride was prepared from D-glucos-
amine hydrochloride by making use of the special
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- II. Matsui, M.
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Trans. of Sakharaya Promyshlennost' (USSR) 1949,
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DESCRIPTORS: Evaporators, Vacuum apparatus,
*Scale, *Pipes, Separation, Heat treatment, Refineries.

By the thermal treating of the pipes with scale, the moisture and crystalline water which are connected with the organic and inorganic part of the scale are removed. The colloidal part and the organic compounds (including nitrogen compounds) are destroyed. This causes the physical-chemical properties of the scale to be changed. The diameter of the scale gets smaller which causes its separation from the pipes. Along the pipe-length the scale increases 2 mm. per 200 mm.; the scale falls out easily from the pipe.

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JPRS 16139

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61-16882

Condensed trans. of Zavodskaya Laboratoriya (USSR)
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DESCRIPTORS: *Oils, Tests, Turbines, Transformers,
Chemical reactions, Mathematical prediction,
Probability, Oxidation. *Fatty acids, Acids.

Tests were carried out with thirteen turbine and four
transformer oils. The performance of these oils was
then noted during periods of up to 25 months. It was
found that the laboratory method of K. I. Ivanov et al,
offers a prediction of the behavior of the oil with a
probability of 75%. In most cases of disagreement, the
oil showed a neutral reaction during the performance,
(Engineering--Chemical, TT, v. 6, no. 9) (over)

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Oscillographic Determination of Energy of Electric
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Certain Magneto-Hydrodynamic Effects, Observed in the
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K. H. Kervelitsze, Yu. S. Gvaladze, 14 pp. SECRET

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