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INFORMATION FROM
FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

CD NO.

50X1-HUM

COUNTRY	USSR	DATE OF INFORMATION	1949
SUBJECT	Economic - Machine tools and engines		
HOW PUBLISHED	Daily newspapers	DATE DIST.	/ Jul 1949
WHERE PUBLISHED	USSR	NO. OF PAGES	3
DATE PUBLISHED	3 Mar - 3 Jun 1949	SUPPLEMENT TO REPORT NO.	
LANGUAGE	Russian		

THIS IS UNEVALUATED INFORMATION

SOURCE Newspapers as indicated.

MACHINE-TOOL OUTPUT IMPROVED; CHITA MOTOR REPAIR LAGS

KOLOMNA PLANT INTRODUCES HIGH-SPEED MILLING -- Moskovskiy Bol'shevik, No 69, 24 May 49

The Kolomna Heavy Machine-Tool Plant, through its own efforts and experimentation, has introduced high-speed milling.

Knowing that a high durability of cutting tools must be attained to have high-speed cutting, plant engineers changed the design of the cutting tool. An eight-blade milling head was made, equipped with blades of T-15UBS alloy.

The machine was stepped up to 750 revolutions per minute, giving a cutting speed of 307 meters per minute. The feed speed was increased from 30 to 500 millimeters per minute. This proved very successful. The machine's operator was able to mill four sides of a frame (1,000 mm x 75 mm) in 12 minutes instead of 102 minutes as before. This was later cut down to a 9-minute operation. So far, 22 milling machines in this plant have been converted to high-speed milling.

TWO GRINDING MACHINES ABOVE PLAN -- Komsomol'skaya Pravda, No 51, 3 Mar 49

Komsomols of the Moscow Grinding-Machine Plant have built two flat-surface grinding machines above plan. Workers in the foundry, and in the assembly, machine and supply shops participated in this task. The machine will be installed in a machine-building plant.

NEW METAL-CUTTING MACHINES -- Moskovskiy Bol'shevik, No 125, 29 May 49

The Gor'kiy Milling-Machine Plant is manufacturing the bracketless 6A54 milling machine developed by the ENIMS (Experimental Scientific Institute for Metal-Cutting Machines). The machine is equipped with 50-kilowatt motors and can achieve cutting speeds of over 1,000 meters per minute.

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The "Stankokonstruktsiya" Plant is testing a high-speed lathe equipped with 50-kilowatt motors. The machine is capable of cutting speeds of over 3,000 meters per minute.

The Plant imeni Voroshilov is serially producing a high-speed planing machine having a cutting speed of up to 75 meters per minute with electric drive and up to 100 meters per second with hydraulic drive.

The All-Union Scientific Tool Insititute has found that the best alloy for high-speed milling of steel is T15K6 hard alloy.

PLANT MAKES PNEUMATIC HAMMER AND DRILL -- Leningradskaya Pravda, No 129, 3 Jun 49

The "Pnevmatika" Hammer Plant is now producing the OM-1 and OM-2 hammers, modernized versions of the OMSP-5 hammer. These hammers, used in coal mines, are 2-3 kilograms lighter than the old hammer. Another new product is the RPM-21 hammer drill, with a speed in hard rock of 160 millimeters per minute. The plant is also producing a high-speed pneumatic mining drill for drilling coal and soft rock.

SARATOV PLANT PRODUCING IMPROVED ENGINE -- Komsomol'skaya Pravda, No 51, 3 Mar 49

The Saratov Machine-Building Plant has begun regular production of improved petroleum engines for use in rural power plants. The power of the engine has been increased from 15 to 22 horsepower.

TARBAGATAY MOTOR REPAIR PLANT IMPROVES -- Zabaykal'skiy Rabochiy, No 83, 29 Apr 49

The appointment in 1948 of a new director, Kuznetsov, for the Tarbagatay Motor Repair Plant, Chita Oblast, was the beginning of a great improvement in the plant's efficiency and production. The plant exceeded the fourth-quarter plan 45 percent, recovered all previous losses, and saved 300,000 rubles. This year, the plant fulfilled the 5-month gross production plan 104 percent on 25 April. The plant produces spare parts for MTSs and kolkhozes of the oblast and also fills orders for gang saws for enterprises in Krasnoyarsk and Irkutsk.

CHITA PLANT BEHIND SCHEDULE -- Zabaykal'skiy Rabochiy, No 63, 1 Apr 49

The Ul'zutuyevskiy Motor Repair Plant, Chita Oblast, has not been meeting its monthly production plans. In the first 10 days of March, the plan for motor repairs was fulfilled only 2 percent, and output of scales and spare parts for agricultural machinery has dropped off. As a result, the plant has become a permanent debtor to the State.

The main causes for this are the inefficient organization of labor and poor labor discipline. There has been no drive against defective production in the shops, with the result that the foundry has up to 30 percent defective output. Machine-shop workers put out 150 defective agricultural machine parts in February. The plant has many orders to supply spare parts to the oblast's agricultural establishments, to repair transport vehicles, and to supply the quantity of scales, etc.,

needed by kolkhozes, but has not been meeting any of these orders. The Chita Oblast Administration of Agriculture and the repair trusts must take all measures to effect better organization in this enterprise.

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