

EFFICIENCY OF THE USE OF TRIBOTECHNICAL COMPOSITIONS BY NEODRIVE

The implementation of NeoDrive tribotechnical compounds into the technological cycle of repair and planned maintenance of units allows to:

- Reduce friction and wear on friction surfaces.
- Provide maximum protection against wear and tear.
- Reduce the energy intensity of production processes and energy consumption costs by increasing the efficiency of the machined mechanisms.
- Significantly reduce emergency equipment failure.
- Reduce operating costs for the maintenance and repair of technical facilities by increasing the reliability of the processed units.
- Reduce consumption of spare parts and components.
- Increase the life of friction pairs.
- Reduce the temperature of the friction unit.
- Reduce and align gaps to nominal values.
- Condense a plunger pair, a cylinder-piston pair, a screw pair and others.
- Save Lubricants.
- Save fuel.
- Shift the mechanisms to cheaper oils and greases.
- Shift to maintenance and repair on the actual state from the preventive maintenance and repair system.
- Reduce the environmental load associated with the effects of noise and vibration.
- Improve equipment performance.
- Reduce repair and downtime costs.

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ADVANTAGES OF NEODRIVE COMPOSITIONS:

- The processing of units and assemblies is carried out in one stage.
- The cost of processing NeoDrive compositions is 3-5 times cheaper in comparison with processing by the other tribotechnical compounds.
- The amount of active ingredient in the NeoDrive is 10 times less than other tribotechnical compounds have, but nevertheless the efficiency is higher.
- The composition is in a nanosized state in the form of a suspension.
- Ability to handle a large area of friction surfaces of friction parts and assemblies due to nanoscale compositions.
- The new-formed protective layer has a high wear resistance and a low coefficient of friction.
- Ability to maintain the parameters of friction after the oil change until the protective layer is completely worn out.
- Does not exceed the content norm by the mass fraction of mechanical impurities in oils.

**RECOMMENDED
BY EXPERTS**

The technology of units and mechanisms processing by NeoDrive compositions is one of the methods for increasing the wear resistance of machine parts based on the effect of non-weariness in performing selective transfer.



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INNOVATIVE TRIBOTECHNICAL COMPOUNDS

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**IMPROVING
THE EFFICIENCY
AND INCREASE THE
SERVICE LIFE OF EQUIPMENT**

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