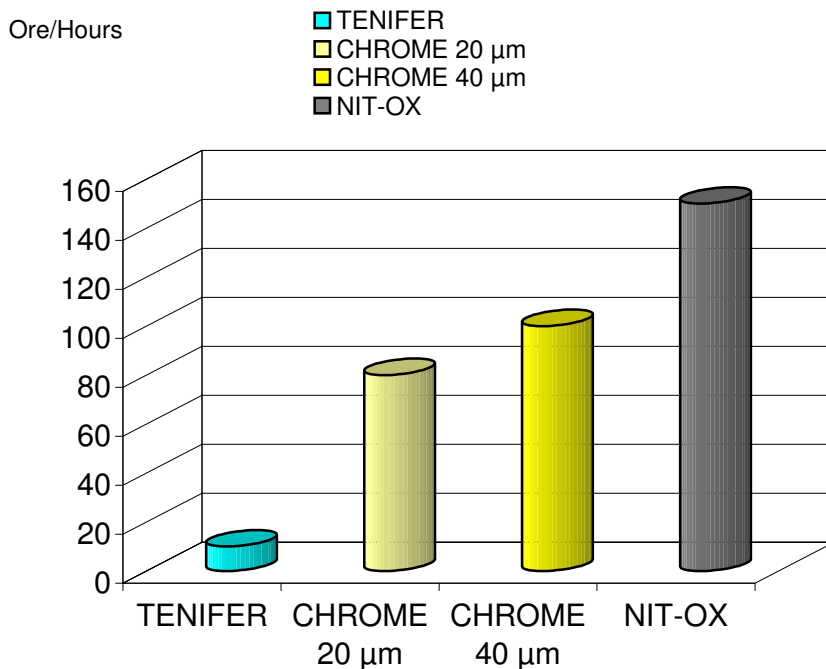




TREATMENT NIT-OX

TECHNICAL SPECIFICATIONS:

TP-Q treated materials have double the resistance to corrosion compared to materials chrome plated to 20µm and is more resistance to corrosion of materials chrome plated 40µm. Surface hardness is increased to 600 HV 5, thus reducing mechanical wear and improving the sealing efficiency of hydraulic cylinders.



APPEARANCE:

The treatment imparts fine uniform black colour to the surfaces.

PROCESS:

The initial treatment is called TENIFER TF1. After this the cylinder extensions are submitted to further impregnation treatment by gas to reduce surface porosity thus increasing the resistance to corrosion to 150 hours of Salt Spray (ASTM B 117).

USES:

At present Nitrocarburizing is extensively used in the Automobile sector especially in components exposed to mechanical stresses, wear and corrosion. The technique is also used on hydraulic cylinders designed for agricultural and industrial use.

In agriculture nitrocarburizing is used on equipment designed for livestock transport, sewage transport, and other equipment exposed to chemical damage.

Nitrocarburizing is also used in other aggressive industries e.g. stone crushing, chemical transport, and machines exposed to harsh weather e.g. snow