

SWIVEL HUB

Material:- 32-40% carbon, 1.3-1.7% manganese steel (forged), hardened and tempered to 201-255 Hb.

Many service complaints were being received about oil leaks around the seal which wiped over the bowl. The leaks were caused by the corrosion of the chrome plating, which was lifting up in flakes and cutting into the seal. The result being that the oil leak from the bowl depleting the oil reservoir inside the hub. One engineering solution experimented with was to fit the unit with a leather gaiter, packed with grease.

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SWIVEL HUB (cont)

Unfortunately, corrosion occurred again giving rise to quality issues.

A Nitrotec treatment on the component with the correct surface finish produced greatly improved corrosion resistance, with an added bonus of improving fatigue strength to uplift available axle load.

