Development of High Strength Spring Steel with Excellent Fatigue Property by Suppressing Decarburization

1.

springs applied in railay rolling stock industrial machinery, construction machinery, etc. The steel bars that makup coil springs are subjected to torsional stress and bending-unbending stress accompanying repeated compression and tension of the springs. Ecause these forms of stress both reach their maix mum alues at the spring surface, the surface condition of the steel material has a large influence on the fatigue strength characteristics of springs. Figure 1 - XK **:** γ⊠t f ∎⊠. -8 f **-⊠**t -**X**K ١Ø 1 ťΩK **, -** 🛛 ٦Ø t -DOK (- NK **₩** 2:2:2:8 t ť t t ť∎⊠ t 🖬 t ∖⊠t. -<u>N</u> N **-**XK · XK ť X - NK X • ;=81=81=8 t`⊠t t t - NK N N t ЪK t • 1**0**0 ЪK ٦N

2. Suppression of Decarburization by Trace Element Addition



Ĩ		ť	t	t			\mathbb{N}	•	` .	1	٦Þ	3 •€⊠	
			× ×		t,		'∎⊠	• ∔⊠ • ⊒ 200	t	ť	t	, • ⊒⊠	Ъ
ť	t	٦K	Ι,			t		•					

Reference

1) / 𝒫, ,A.; A t ,/.;/ ,/./ 𝒫 🖓 𝔅 . 1991, . . 1991,𝔅 . 36, . 47 53.

For Further Information, Please Contact:

.

.

.