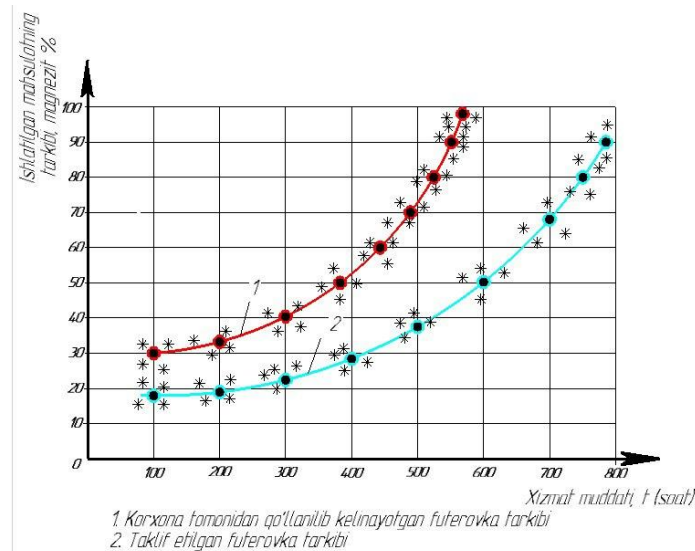


ELEKTR YOY PECHINI ASOSLI FUTEROVKASINI QAYTA ISHLASH JARAYONINI MATEMATIK MODELLASHTIRISH

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O‘zbekiston



1-grafik. Olovbardosh material sifatida magnezit kukunidan foydalanib, futerovkaning xizmat muddatini oshirish grafigi,

1-grafikda ko‘ringanidek, olovbardosh materiallar sifatida magnezit g‘ishtidan foydalanildi va uning yemirilgan joylarini ta‘mirlash orqali magnezit kukuni hamda shlakdan foydalanib, xizmat muddati oshirildi. 1 – grafikda aks etganidek, korxonadan qo‘llanilib kelinayotgan hamda Toshkent davlat texnika universitetining tadqiqotchilari tomonidan taklif etilgan futerovka tarkibi bir necha tajribalar asosida taqqoslandi[1 – 2]. Korxonadan 30 – 100 % gacha qayta ishlangan olovbardosh material futerovkani yemirilgan joyiga suyuq metallni pechdan chiqarib bo‘lgandan so‘ng qizigan holatda yemirilgan yuzasiga sepish orqali futerovkani ish muddatini o‘zgarishi o‘rganildi. Agarda 30% qayta ishlatilgan olovbardosh material foydalanilganda ishlash muddati 100 soatga, 35% da 200 soatga, 40% da 300 soatga, 50% da 380 soatga, 60% da 450 soatga, 70% da 480 soatga, 80% da 520 soatga, 90% da 550 soatga, 100% da esa 580 soatga futerovkaning xizmat muddati oshirildi[3].

$Y=f(x)$ 1

$$\begin{cases} 0,3^6 x_1 + 0,3^5 x_2 + 0,3^4 x_3 + 0,3^3 x_4 + 0,3^2 x_5 + 0,3 x_6 = 100 \\ 0,35^6 x_1 + & +0,35 x_6 = 200 \\ 0,4^6 x_1 + & +0,4 x_6 = 300 \\ 0,6^6 x_1 + & +0,6 x_6 = 450 \\ 0,8^6 x_1 + & +0,8 x_6 = 520 \\ 0,9^6 x_1 + & +0,9 x_6 = 550 \end{cases}$$

$$x_1 = -201026,262$$

$$x_2 = 566349,898$$

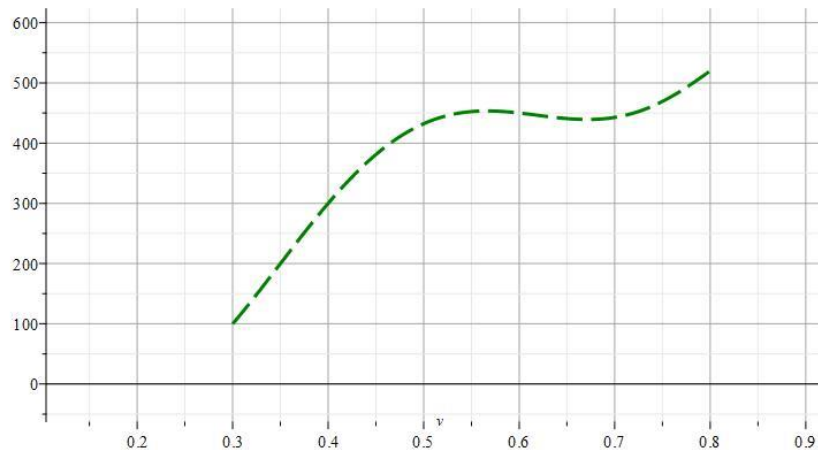
$$x_3 = -595152,464$$

$$x_4 = +282394,537$$

$$x_5 = -56714,145$$

$$x_6 = 3902,241$$

$$[y=f(x) = -201026,262x^6 + 566349,898x^5 - 595152,464x^4 + 282394,537 \cdot x^3 - 56714,145 \cdot x^2 + 3902,241x]$$



Chiziqli tenglamalar tizimini yechish.

Xulosa

1. Olovbardosh materiallar sifatida magnezit g'ishtidan foydalanilgan holda uning yemirilgan joylarini ta'mirlash orqali magnezit kukuni hamda shlakdan foydalanib, xizmat muddati oshirilishi o'rganildi.

2. Shibba tarkibidagi suyuq shlak miqdoridan foydalangan holda futerovkaning yeyilishi o'rganildi.

3. Tajriba asosida olingan ma'lumatlardan foydalanib, Kramer yordamida tajriba o'tkazmasdan aniqlash keyingi natijalarni aniqlash mumkin.

4. Sifatli quyma mahsulotini olishda va nometall qo'shimchalarni kamaytirish maqsadida suyuq metallga inert, ya'ni argon gazi yuborilish koeffitsiyenti hisoblab chiqildi.

Foydalanilgan adabiyot

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3. Valida, Turakhodjaev Nodir, Chorshanbiyeva Lobar, Gulyamov Saidulton, Urinboyev Umidjon, Eshimov Doston. TECHNOLOGY OF INCREASING THE SERVICE PERIOD OF LIQUIDATION FURNACES BASED LIQUID SHIBBA //Eurasian Journal of Engineering and Technology. ISSN: 2795-7640. www.geniusjournals.org. – 2023 - .C.85 –89.