Decomposition of ideals into pseudo-irreducible ideals in amalgamated algebra along an ideal

Let $f : A \rightarrow B$ be a ring homomorphism and $J$ an ideal of $B$. In this paper, we give a necessary and sufficient condition for the amalgamated algebra along an ideal $A^f \bowtie J$ to be $J$-Noetherian. Then we give a characterization for pseudo-irreducible ideals of $A^f \bowtie J$, in special cases.

Keywords:
Amalgamated algebra along an ideal, $J$-Noetherian, complete comaximal factorization, pseudo-irreducible ideal

Link to the paper:
https://www.civilica.com/Paper-JR_KJMMRC-JR_KJMMRC-6-1_002.html