

TITLE: RECOVERY IMPROVEMENTS FROM MANAGING ORGANIC CARBON WITH LUPROSET D-1313.

AUTHORS: Graeme Stewart, BASF [graeme-levi.stewart@basf.com]
Daniel Chipfunhu, BASF [daniel.chipfunhu@basf.com]

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The presence of organic carbon in an ore can create challenges within the flotation circuit, but also in downstream processing. Such challenges may include difficulties in achieving a target concentrate grade, penalties, poor filtration (achieving TML), and preg-robbing in CIL/CIP circuits. The processing routes for managing organic carbon that are typically employed by the industry are pre-flotation to remove the naturally hydrophobic carbon, utilizing depressants, or a combination of both. This paper demonstrates the process improvements obtained by replacing a conventional depressant (polysaccharide) with BASF's carbon depressant LUPROSET D-1313 in a lead-zinc concentrator that utilizes carbon pre-flotation.