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| Traveler Title | Cavity Degrease |
| Traveler Abstract | This Traveler captures information from ultrasonic cleaning of cavities. |
| Traveler ID | SRFRD-CHEM-CAV-USC |
| Traveler Revision  | R1 |
| Traveler Author | T. HARRIS |
| Traveler Date | 7-Jul-25 |
| NCR Informative Emails | PAIGEW,FIEDLER |
| NCR Dispositioners | TMHARRIS,FOREHAND,KDAVIS |
| D3 Emails | PAIGEW,FIEDLER,TMHARRIS,FOREHAND,KDAVIS |
| Approval Names | T. HARRIS | G. CIOVATI | K. DAVIS | R. GENG |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Reviewer | Production Rep | Project Rep |

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| References | List and Hyperlink all documents related to this traveler. This includes, but is not limited to: safety (THAs, SOPs, etc), drawings, procedures, and facility related documents. |
| [SRF-MSPR-CHEM-CAV-USC-R1](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-261722/SRF-MSPR-CHEM-CAV-USC-R1.pdf) |  |  |  |  |
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| Revision Note |  |
| R1 | Initial release of this Traveler. Adapted from C100R-CHEM-CAV-USC-R2 and STP-CAV-CHEM-USC-R3 |

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| Step No. | Instructions | Data Input |
| **SAFETY:** Individual must keep safety as the first priority in the process; before beginning any job, the user must assure they have the correct PPE for the individual job. Maintaining the level of safety and secure nature of the work area is paramount. Assure personal safety by using caution in movement and taking necessary steps to avoid unnecessary personnel in the immediate area. |
| 1 | Record Project ID and any project specific instructions | [[PROJSN]] <<PROJSN>>[[PROJNAME]] <<TEXT>> [[ProjInstructions]] <<COMMENT>>[[ProjFiles]] <<FILEUPLOAD>> |
| 2 | Record cavity ID or serial number | [[CAVSN]] <<CAVSN>> |
| 3 | Record Operator, Date and Time. | [[CleaningOperator]] <<SRF>>[[CleaningStartTimestamp]] <<TIMESTAMP>> |
| 4 | Inspected cavity flanges for scratches and other abnormalities. Do a visual inspection of the interior surface of the cavity with a flash light and note any abnormalities in the Comment box | [[InitialInspection]] <<YESNO>>[[Inspector1]] <<SRFCVP>>[[InitInspComment]] <<COMMENT>> |
| 5 | Ultrasonic clean cavity per [SRF-MSPR-CHEM-CAV-USC-R1](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-261722/SRF-MSPR-CHEM-CAV-USC-R1.pdf)Ultrasonic usedCleaning Solution Used and AmountTime in ultrasonic | [[UltrasonicUsed]] {{smallUS,200Gal,500Gal}}<<RADIO>>[[CleaningSolutionUsed]] {{Liquinox,Micro90,Citranox,Other}}<<RADIO>>[[Amount]]<<FLOAT>>L[[CleaningSolutionNotes]] <<COMMENT>>[[TimeInUSC]] <<INTEGER>> min |
| 6 | Cavity removed from tank and rinsed with DI water. | [[Rinsed]] <<CHECKBOX>> |
| 7 | Once the cavity is dry, do a final inspection of the flanges and the interior surface.Note any abnormalities in the Comment box | [[FinalInspection]] <<YESNO>>[[Inspector2]] <<SRFCVP>>[[FinalInspComment]] <<COMMENT>> |
| 8 | Comments | [[USCCOMMENTS]] <<COMMENT>> |