

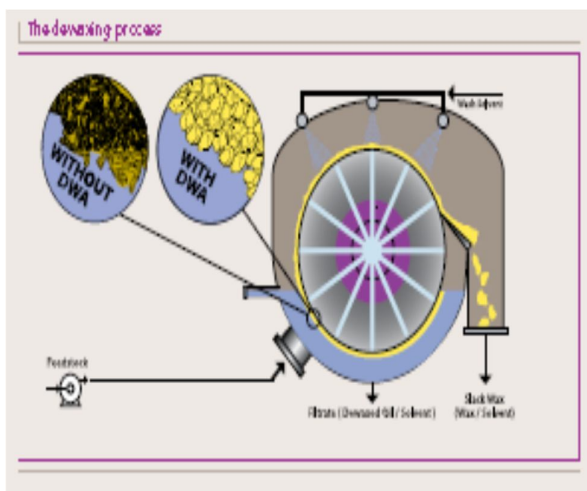
## Product Brochure:

### **Dewaxing aid (HP DWA Version-2) for BS grade at Propane Dewaxing Unit**

Lube refinery at HPCL Mumbai is producing different grades of lube base oils (LOBS) such as Spindle oil, 150 N, 500 N and Bright stock. Solvent dewaxing process is one of the important processes in lube refinery, which is used to remove wax from lube raffinates in order to improve Pour point. Dewaxing aid is important and process is not feasible without dewaxing aid. By definition, dewaxing aid is a chemical that assists and enhances the dewaxing process. Some of the functions of DWA are, helps to form proper crystals, improve filtration rate, improve DWO yield and reduce oil content in wax. Propane dewaxing is not commercially viable without dewaxing aid.

HPCL R&D has developed HP DWA Version 2 (HP DWA V2) as dewaxing additive for Bright Stock lube grade for propane dewaxing unit. Based on lab scale results, best formulation was scaled up to 8 MT. During July 2021 commercial trials were carried out at MR PDU unit. Plant trials were done with BS feed stocks.

Results indicated that with BS feed rate could be increased to 45 m<sup>3</sup>/hr with HP-DWA V2 with very good starvation and saturation. During the entire trial period, products met with the required properties. DWA batch preparation time was reduced from 6 hours to 2 hours.



HPCL developed HP DWA V2 product to replace imported product in Propane dewaxing unit. Plant trials were successfully completed at Mumbai refinery and resulted in better performance with BS feed stock in terms of filtration. HPCL MR is satisfied with the performance HPCL DWA V2 for BS lube grade.