



Rufouz Hitek Engineers Private Limited

INTRODUCTION:

RHEPL is a Chemical Process Equipment manufacturing company with an integrated engineering solution. This enables us to provide high efficiency process design & detailed mechanical design. "HITEK" is a manifestation of the entrepreneurial vision of a team of dedicated engineers who have done their curriculum in engineering from the Indian Institute of Technology, Mumbai. From the inception in 1984, we have strived to foster on our work force an optimal blend of skill and experience so that the highest caliber emanates out of them. Our vertical centric solution approach makes us a trusted partner for all our client needs. Headquartered in Mumbai and headed by an efficient team with over three decade of cumulative experience in the process design & manufacturing industry, RHEPL is poised to lead its industry segment.

OUR EXPERTISE:

We are mainly dealing with lube oil re-refining technologies. The need of re-refining of used lubricating oils is now of prime importance due to the realization in environmental awareness. The hazardous nature of Used Lubricating Oils is manifested only by its method of disposal and the harm done to environment, where the human health factor and the environment at large are most affected in adverse ways – directly and indirectly. Since used lubricating oil contains metals, their oxides and other toxic chemicals, the burning of such oils pollutes the atmosphere. As a result, many types of technologies and many variations in processing techniques have been developed to take into account different parameters. With year of working & expertise we have developed our own re-refining technology along with solvent extraction process which is environmental friendly. RHEPL has a state-of-the-art re-refining plant with an area of 45,000 sq. and an able set of resource for the process and mechanical design capabilities.



Our technology is supported by several test and development facilities, where the technology is being continually refined, improved, and applied to quality of base oil. We have successfully handled many re-refining plant with large capacities. Recently we have hands on Our Turnkey solutions in the form of modular skids can save months from your project schedules. Recently we have hands on Lube Oil Re Refining project at **Success International Lubricant Re-refinery** which is in Jeddah (Saudi Arabia) a full-fledged plant with capacity 50KLPD. We commit for excellent services to client. As per client requirement we can design system to get completely blended base oil or also fractions like heavy *lube oil*, *light lube oil*, *light base oil*, *asphalt* etc. As far as market needs are concerned we can provide only *re-refined base oil* as single product also. We can provide fractionated products using our both technologies depends upon client needs. We have well equipped Pilot plant for lube oil re-refining in India, where pilot trials are conducted. The performance guarantee is backed by the trial results. We are known for quality & excellent services. We assure quality of base oil by carrying out pilot trials. We offer Solvent Extraction for replacement of Clay Polishing of Lube Oil to remove Aromatics etc. In our own re-refining plant situated near Mumbai is working on vacuum distillation with short path distillation & ATFE like modern technology. By studying our own plant, we have developed technology with solvent extraction with research & development keeping hazardous effect of clay treatment in mind. Our workshop is located at Vasai wherein a highly skilled workforce fabricates quality equipment as per International standards, with timely upgradation of fabrication know-how and inspection of stage wise progress of work with requisite quality control measures. We believe that “A satisfied customer is best business strategy of all”.

OUR TECHNOLOGY

TECHNOLGY - I	TECHNOLGY - II
Dehydration	Dehydration
Gas Oil Removal	Gas Oil Removal
Vacuum Distillation with SPDU, ATFE	Vacuum Distillation with distillation Column
Solvent Extraction with NMP	Solvent Extraction with NMP

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