

acid oil by treatment with sulphuric acid. The production of effluent acidulation process and well as in soap stock neutralisation process as process involves several by product during the this results in high water washes in the processed to convert it into soapstock is further refining process. The which is then removed as oil, which converts free colour and removal of fatty acids into soap stock addition of caustic soda to process, this is done by odour. In chemical refining free fatty acid, removal of mainly neutralisation of Vegetable oil comprises Refining Process of

soap and this results in saponifies neutral oil into caustic soda also high refining losses. neutralisation process Secondly, during the

removed without changing name suggest, the free fatty acids are physically Physical Refining, as the In the case of

Deoderisation .

effluent Treatment plant is required generated. Thus no costly compared to chemical their form during the formed, there is no effluent there and no soapstock is chemical neutralisation is refining process. Since no refining losses as results in overall lower saponification and this soda is used there is no process. Since no caustic are to be removed in the done all other impurities process of deoderisation, Degumming and bleaching process. But before this is

the process of high temperature during property, i.e. the colouring excellent heat bleachability podies are removed at fatty acids. These oils have high percentage of free percentages of gums but palm kernel oil since they oils like palm, palm olien, is an excellent process for have very lower Physical Refining

> F.M. - FLOW METER
> C.O.T - CRUDE OIL TANK
> D.R. - DEG. REACTOR EGEND

D.D. - DOSING DEVICE
C.B. - CONT. BLEACHER
L.F. - LEAF FILTER
B.O.T - BLEACHED OIL TANK

C.T. - CLOUDY TANK S.H. - SUPER HEATER H.E. - HEAT EXCHANGER P.F. - POLISHING FILTER

F.C. - FINAL COOLER

DEO OIL OUT

FROM TREATMEN

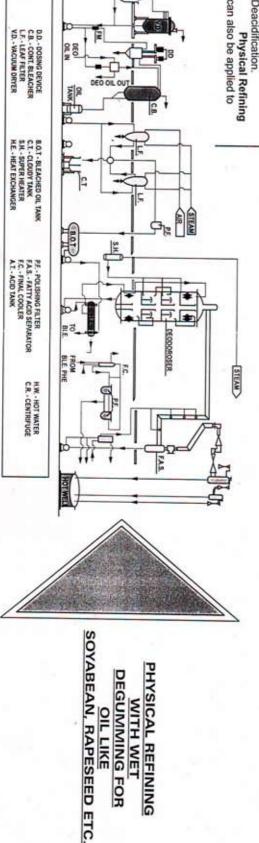
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OIL NAVI

can also be applied to Physical Refining

PEGG technology is the best technology but simple and non-complicated and achieves maximum colour and FFA reduction compared to any other plant but at the same time they are easy to maintain and give excellent result. PHYSICAL REFINING FOR PALM KERNAL, PALM AND PALM OLIEN OIL. ACID TANK 58



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C.O.T - CRUDE OIL TANK
D.R. - DEG. REACTOR

D.D. - DOSING DEVICE C.B. - CONT. BLEACHER LF. - LEAF FILTER V.D. - VACUUM DRYER

LEGEND

Physical Refining Process

other oils like soyabean, repeseed, coconut etc. after proper wet degumming using centrifugal separator with proper removal of gums.

PEGG Group has a vast experience in the physucal refining of various kind of oils, which includes palm, palm oilen, palm kernel, soyabean, rapeseed, rice bran oil etc. The Group is pioneer in the field having supplied first physical refining plant in India for a very difficult Rice Bran oil.