

Performa Filter UTP pada Filtrasi Biodiesel Main Tank PT. Sis Site Sera Adaro Kalimantan Selatan = UTP Filter Performance on Biodiesel Filtration Main Tank PT. Sis Site Sera Adaro South Kalimantan

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Abstrak

Penggunaan biodiesel menjadi hal hal mandatori di Indonesia termasuk untuk industri pertambangan. Penggunaan biodiesel B30 sudah dilakukan. Permasalahan yang timbul berasal dari nilai particulate biodiesel yang tinggi, kadar air dalam biodiesel dan keberadaan gliseryn. Filtrasi menjadi salah satu solusi untuk mendapatkan nilai cleanliness sesuai requirement yaitu 18/13/11 berdasarkan ISO CODE 4406. Filter UTP menjadi solusi yang digunakan pada Filtrasi main tank SIS SERA Adaro di Kalimatnan Selatan. Filter terdiri dari wiremesh, dan prefilter untuk before main tank. Wiremesh, prefilter, coalescer dan water separator untuk after main tank. Pengujian dilakukan selama satu periode pemakaian filter, dengan pengambilan data dilakukan setiap hari. Hasil capaian kebersihan menunjukkan bahwa cleanliness tercapai pada ISO code 17/13/11 dari nilai rata-rata ISO code 20-21 pada 4 micron.

.....The use of biodiesel is mandatory in Indonesia, including for the mining industry. The use of biodiesel B30 has been carried out. The problems that arise come from the high particulate biodiesel value, water content in biodiesel and the presence of glycerin. Filtration is one solution to get the cleanliness value according to the requirement, namely 18/13/11 based on ISO CODE 4406. The UTP filter is the solution used in the Filtration of the SIS SERA Adaro main tank in South Kalimantan. The filter consists of a wiremesh, and a prefilter for the before main tank. Wiremesh, prefilter, coalescer and water separator for after main tank. The test was carried out for one period of filter usage, with data collection carried out every day. The results of the cleanliness achievement show that cleanliness is achieved at ISO code 17/13/11 from the average value of ISO code 20-21 at 4 microns.