



Apollo



Hydrogen sulfide reduction in export fuel oil

Complete solutions that are applied throughout its value chain



SITUATION

The petroleum products that PMI International Commerce sells in foreign markets must meet the quality and safety specifications that its end customers demand.

Particularly for the activity of offloading fuel oil to tankers, PMI customers request that fuel oil contain no more than 50 ppm (parts per million) of hydrogen sulfide in the vapor phase. Failure to meet this specification may result in PMI penalties. The fuel oil produced by Pemex originally contains a concentration of hydrogen sulfide vapor that ranges between 1,500 and 5,500 ppm. Due to this, it is necessary to apply a chemical treatment that conditions the fuel oil, to achieve that it complies with what the client requires.

SOLUTION

Apollo has developed a comprehensive treatment that is applied just at the moment in which fuel oil is loaded into transport tankers. This includes the dosage of hydrogen sulfide scavenger by a specialized technical service. The treatment reduces the levels of hydrogen sulfide vapor phase to a range of 5 to 20 ppm. During the irreversible reaction that takes place between the scavenger and the hydrogen sulfide, no toxic or carcinogenic compounds are produced. The product of this process is only salt and water, residues that are eliminated with routine processes when the ship arrives at the destination port.

Due to the effectiveness of its service, today Apollo is part of the small group of reliable suppliers that PMI regularly hires to carry out this type of treatment. Since 2005, Apollo has carried out applications to reduce the levels of hydrogen sulfide contained in crude transported by ships in Mexican maritime terminals in both the Gulf and the Pacific, and recently also in tank cars in the interior of the country. The company offers immediate response time, guaranteed to meet the strictest contractual requirements.





EXPERIENCE

REDUCTION

of hydrogen sulfide levels to a range of
5 to 20 ppm



WITHOUT GENERATING

toxic and carcinogenic compounds

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