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Insight & Opinion

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Issues a court must decide

HERE is a certain risk attached to the action by a coalition of in-terested parties led by Intertan-in London's High Court to the legality of the European Union's direc-tive on ship source pollution. Those who invariably impute the worst possible motives to industry, and gen-erally hate anything to do with oil, or tankers, or come to think of it any form of ship propelled by oil, will be

given free rein to air once again their

prejudices. This is just the potential pollutors at-tempting to overturn laws designed to punish them for pollution," this 'alter-native' coalition will shout. But, even punish them for pollution," this "alter-native" coalition will shout. But, even though there is this risk, it is impor-tant that this case goes ahead, and that it is cleared to go forward to the European Court of Justice. More than shipowners' reputations are at stake here, for the EU directive, without a doubt, goes against international trea-ty obligations of contracting parties to the Marine Pollution Convention, and also to the Law of the Sea Convention. This is no dramatic revelation that law-yers with enromous brains have de-duced from close study of the directive. When this ill-judged legislation was first proposed as one of the 'knee-jerk reactions' to the regrettable *Prestige* sinking, the clear contradictions be-tween international conventions and the proposed hard line directive that

sought to criminalise those who have been responsible for accidental pollution was immediately raised. Since then the European Commission and various European Parliamentary luminaries have sought to gloss over these contradic-tions, hinting darkly that EU law is ob-Sough to guess over intese contraut-tions, hinting darkly that EU law is ob-viously superior to anything else on earth. Indeed, certain Eurocrats have even suggested that the proposals will do much to free people like shipmasters and shipowners from the fear of prose-cution. Few have been reassured. For its part, the marine industry has at-tempted to illustrate what it regards as the likely effects of the directive becom-ing enshrined in national law, with the threat of prosecution, criminal records, huge fines and imprisonment sapping the morale of seafarers and responsible people ashore alike, and acting as a huge deterrent to recruitment. The legal challenge, we hope, will be rather more effective in preventing something that almost certainly will result in a

very negative net result. One only has to see the sort of behaviour being in-dulged in by the French justice system, which has been fircrely penalising those whose ships have been accused of leav-ing trails of pollution within that coun-try's exclusive economic zone. The evidence upon which these prosecu-tions have been launched has been scanty, based solely on airborne photog-raphy unsupported mostly by any other evidence. The penalties have been dis-proportionate and the notion of separ-ately penalising the master of a ship (as if he has gone down and swung open a valve) has been unjust, to say the least. This is the sort of behaviour we can ex-pect to see institutionalised across Eu-rope if the EU has its way.

An unsafe port

THERE will be some relief that the US Coast Guard has, after a full inquiry,

absolved Tsakos Shipping and Trading for any responsibility for the puncture of its ship on the flukes of an aban-doned anchor in Delaware Bay. The \$175m clean-up costs are just the most immediately visible costs from this de-bacle, as the Coast Guard investiga-tors have been unable to trace the

Safety, risk, probability: or playing

Formal Safety Assessment forces us to ask how much we are willing to pay to increase marine safety, write Harilaos N Psaraftis and Christos A Kontovas

UCH has been said about the method of Formal Safety Assessment and how it is applied for mari-time safety policy formu-lation. The example of bulk carrier dou-ble hulk is perhaps the most relevant, in which FSA was used by both sides of the argument.

In which PSA was used by both subes of It is well mown that the May 2004 decision of the International Maritime Organization not to impose mandatory double hulls on bulk carriers was based on a study that used PSA, even though the 1MO's prior opposite view on this substantiation of the substantiation of the prior opposite view on this substantiation of the substantiation of the prior opposite view on this substantiation of the substantiation of the prior opposite view on this substantiation of the substantiation of the prior opposite view on the substantiation of the substantiation of the substantiation of the substantiation and instructure of the substantiation of the substantiation would be a substantiation of the substantiation of the substantiation of the substantiation of the substantiation would be substantiation of the substantiation of the substantiation of the substantiation of the substantiation of the substantiation of the substantiation substantiation of the substantiation substantiation of the substantis of the substantiation of the substantiation of the

om the trip. The fact that he travels by plane nowing there is a risk of death means

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trightly or wrongly, it does not mattery that this measure would increase mari-time the pay to build ro-ro ferries with Stockholm agreement specifications be-cause someone calculated that this would reduce the risk of sinkage if water enters the vessel. We pay to build double build under the schole someone the pay of the schole someone the source of the other schole someone the source of the double someone the schole someone the accessarily the case. And so on. The central question in maritime safety is: "what price safety" — that is, how much are we willing to pay to in-this is the difficulty of determining co-nomic quantities such as the value of human life, let alone that of the seaguil opplicition. The applications the MO has

this is un-nomic quantities such ... human life, let alone that of the seagun-nomic quantities such ... in the seagun seagun seagun number of the seagun seagun number of the seagun seagun adopted the average of Săm for the value of human life and there has been a lot of scientific work in this are a recently. But many issues are still open. As load as this the seagun seagun seagun seagun seagun try does not seem to be the same as a death in a less developed country. Who sam remember the name of the ferry that

Table 1: Frequency Index



ALL STRATE Pancakes of oil on Biscarosse Beach in southwestern France six weeks after the Prestige sank off northwest Spain in 2002, Laboratory tests traced the oil back to the sunken tanker, which deposited thousands of tonnes of oil. AP

Table 2: Severity Index

Effects on Ship

Severe da

Total los

Local equipment damage

Von-severe ship dama

Effects on Human Safety

Single or minor injuries

Multiple or severe injuries

Single fatality or multiple severe injuries

Multiple fatalit

Significant

Catastrop

Table 3: Risk Index (RI) Severity (SI) 2 3 Catastrophic FI Frequency Mino nific Severe Freq 8 9 10 9 10 5 6 8 4 5 6 7 8

tors nave been unable to trace the chain of responsibility that needs to be followed to detect who might have been utimately responsible for the ac-cident involving a well-found, albeit single-hulled ship. Aut somebody must surely be responsi-ble for the provision of a 'safe' port in the US? Port authorities in many countries operate, at their own ex-

cue US? Port authorities in many countries operate, at their own ex-pense, a modest or even more elabo rate hydrographic court pense, a modest or even more elabo-rate hydrographic service, which, with the aid of a readily obtainable sidescan sonar, ensures that channels are not obstructed by shoals, or even enor-mous anchors. Or have shipowners, before entering a US port, got to un-dertake their own surveys?

> sank in Senegal in 2002, causing more than 950 fatalities? Linari 930 ratantites? Another, perhaps more fundamental, reason for the difficulty in addressing the "what price safety?" question relates to how the concept of risk is defined and perceived.

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