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Our experiences using X-1R additive

In 1995 ALFONS HÅKANS OY AB started to test the X-1R additive of the lube oil in the company's tug boats and go-getters. In the beginning the experiment considered only one tug boat but during the years we have increased the use of X-1R and today it can be found almost in all 32 tug boats. In one vessel may be 5-6 targets of donkey engines, diesel motors of different power, which use hydraulic motors and generators.

In addition we have started to use the X-1R vaselines and also other special products. In the beginning almost everyone of our engineers were pretty critical towards X-1R, but today they all have very positive opinions about it. During years we and the importer have examined the X-1R and the results have exceeded all expectations. In our opinion the best results however have been found by examining what has happened in our machines from the perspective of the user.

We have been able to do oil exchanges three times more rarely and still the machinery has been cleaner than earlier. And on the basis of the laboratory researches that have been made by the oil manufacturer it still wouldn't have been necessary to exchange the oils. We have however kept our line and changed the oils in order to maintain the oil spaces of the machines clean. In addition we have observed that also fuel savings have been achieved (perhaps 1-3%). This has been a little bit difficult to notice because as the friction has decreased it has been possible to load machines a little bit more, while the exhaust temperature and also other temperatures and burdens have preserved/maintained the same as before.

In addition to this we have observed the reduce of noise and exhaust emissions in the hydraulic systems. We can also say for certain that in some cases we have avoided bad laurel damages in the laurel of the propeller axle and in other demanding targets because we have used the X-1R in those systems.

Finally I could tell thousands of stories how the X-1R has rescued technical devices and machines but I leave those stories for other people to tell. I shall only briefly say that if you haven't got personal experience about the X-1R I recommend that warmly!

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