PRI-XLR8

LUBRICITY TREATMENT for MGO

ECONOMIC PROTECTION FOR MARINE FUEL PUMPS

PRI-XLR8 is specifically formulated to provide the optimum level of protection for marine fuel pumps operating on 0.1% sulfur marine gas oil (MGO). **PRI-XLR8** is also extremely affordable.

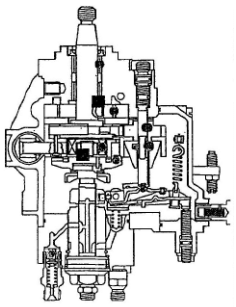
PRI-XLR8 is a stand-alone lubricity chemistry, providing a premium level of lubricity protection via a mono-acid product at a treat rate of one liter for every five metric tons of MGO. This provides an economical and powerful tool for vessel owners who demand the very best at a cost-effective price.

Power Research Inc. has been supplying premium fuel additives to the commercial marine, power generation and automotive industries for over 25 years. **PRI-XLR8** is our newest product and it provides the appropriate level of protection needed for todays fuels.

PRI-XLR8 was formulated based on a version of the HFRR test especially modified to directly correlate to the much more demanding internal conditions of *marine fuel pumps.*

And this is why, in test after test, **PRI-XLR8** consistently outperforms others, ensuring that marine fuel pumps will continue to function - whether in normal use, or in mission critical situations.

1991 - Automotive Rotary Pump



Outlet Pressure: **200 BAR**

2010 - MAN S60 MC-C Pump

Outlet Pressure: **2000 BAR**

PRI-XLR8 mixes well with any distillate fuel. Dose rate is one liter per eight MT (1:8000). **PRI-XLR8** may be directly added to MGO tanks just prior to bunkering. Do not use the sounding tubes as this will not ensure a good mix of **PRI-XLR8** and the fuel. No costly injection equipment is needed.

For optimum protection at the most affordable price, PRI-XLR8 is truly the only sensible choice!

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PRI-XLR8 HFRR Response @ 1:5000

	Standard HFRR wear scar (microns)	Modified HFFR wear scar (microns)
No Treatment	580	660
PRI-XLR8	**380**	**410**

Specifications	
Color & Appearance	Colorless Liquid
Boiling Point	213 C.
Flash Point	160 C/320 F
Specific Gravity	0.88 – 0.93
Water Solubility	Insoluble
USA DOT ID Number	UN 1268
Class/Division	Combustible Liquid
IMDG	Not classified as dangerous under IMDG regulation
IATA	Not classified as dangerous under IATA regulations

Dosage Rate:

For maximum protection against fuels with scar rates above 600 microns, apply PRI-XLR8 at a dose rate of 1 liter per 4 metric tons. For regular protection from fuels with scar rates of 350-600, apply PRI-XLR8 at a dose rate of 1 liter to 8 metric tons.

Dosage Method:

PRI-XLR8 may be directly added to tanks prior to bunkering. Agitation from fuel flow during bunkering will provide a sufficient mixture of PRI-XLR8 with the fuel.

Quality control:

PRI-XLR8 is manufactured in accordance with strict, chemical manufacturing standards. Each blend is numbered, and a retain sample is FTIR tested against a laboratory standard to ensure optimal conformance.

Miscibility:

PRI-XLR8 is a precise blend of organic chemistries that once blended with marine gas oil, will not stratify or separate, even with fuel purification.

Power Research Inc.