



X-1R Global Ltd

To: All X-1R distributors **From:** Nigel (Mac) McKenzie

Cc: **Date:** 23rd January 2020

Subject: Effect of Fuel System Cleaner on Diesel

Over the years there have been frequent questions about the difference between Diesel System Treatment and Diesel System Cleaner. In short the primary difference is that the Treatment is designed to be used ideally at the service interval and is packed with detergents that are primarily for the eradication of carbon in the combustion chamber and the cleaning of the fuel injectors. The Diesel System Cleaner is really a maintenance product but has the added benefit of increasing the Cetane rating of the fuel it is added to by about 5%.

Where this is particularly useful is when you have a Euro 6 engine and can only get Euro 5 fuels. Whilst the primary difference between Euro5 and 6 Diesel is really about the amount of pollution produced by the engine and in particular the Nitrogen Oxides (NOx) most owners will tell you that running a Euro 6 engine on Euro 5 makes the vehicle sluggish. Adding a bottle of X-1R Fuel System Cleaner should overcome this and help the engine perform at a more acceptable level.

Attached is a recent Cetane analysis performed by Intertek in Singapore, please add this to your resource centre.

Nigel McKenzie
January 2020

CERTIFICATE OF QUALITY

S/NO.: 2019-MIS-050762-001

SAMPLE NO. : 2019-MIS-050762-001 DATE RECEIVED : 12-Dec-2019
 JOB NO : DATE TESTED : 12-Dec-2019 to
 CUSTOMER: X1R GLOBAL LIMITED DATE REPORTED : 23-Jan-2020
 ADDRESS :

SAMPLE DESCRIPTION :

Product : DIESEL
 Sample Date : 12/12/2019
 AWB : DHL 9700081370

The above sample was tested at Singapore Technical Centre (1 Seraya Avenue Singapore 628208) in accordance with the test method(s) stipulated, with the result(s) as follows:-

TEST	METHOD	UNIT	SPECIFICATION	RESULT
Cetane Number	ASTM D613-18a		Report	55.1 **
Dosages		ppm	Report	10ml to 1L Diesel
Cetane Number	ASTM D613-18a		Report	57.8 **

REMARKS : The analysis result/s denoted (**) was/were performed by third party laboratory.



**Abdul Rahman B Mohamed
 Yasin**
BOD Section Head (Petroleum Dept)
 SINGAPORE TECHNICAL CENTRE
 INTERTEK - Caleb Brett

This is an interim report, final and official report (COA/COQ) will be issued upon completion.

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