

Stenol Premium Series Chain Oil Performance Report

Stenol premium Series of Chain oils has been formulated with a blend of superior synthetic oils bearing in mind the performance requirement in high temperature environments.

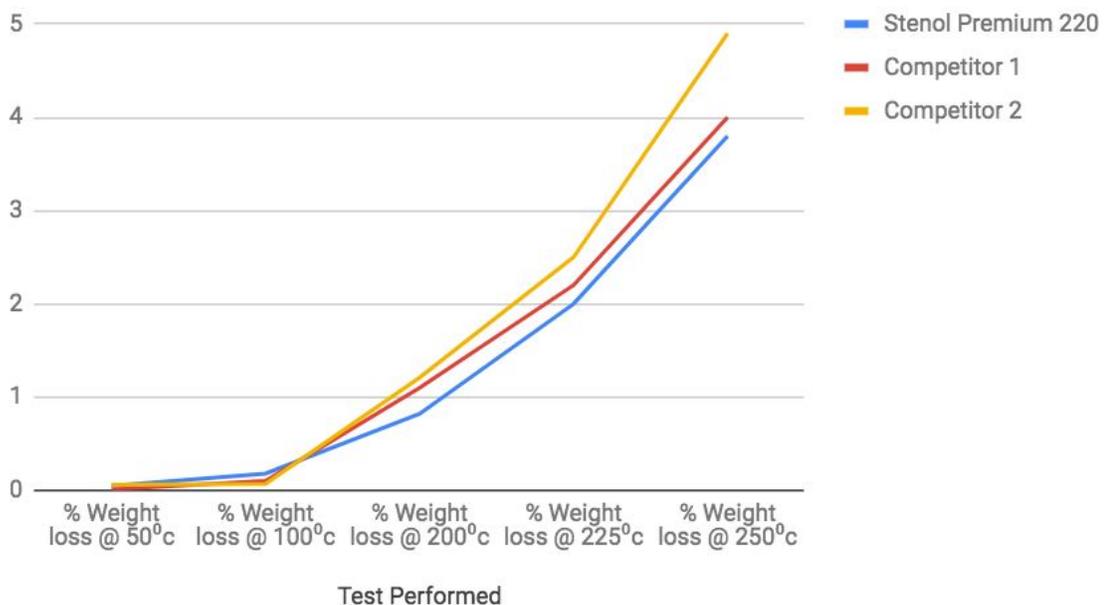
The key parameters on which a chain oil should be selected:

1. Evaporation rate
2. High temperature performance
3. Residue formation

We selected two popular high temperature chain oils from the market and put it to test against with Stenol Premium 220 by performing a Thermogravimetric Analysis.

Thermogravimetric Analysis Report			
Test Performed	Stenol Premium 220	Competitor 1	Competitor 2
% Weight loss @ 50°c	0.05	0.01	0.06
% Weight loss @ 100°c	0.18	0.1	0.07
% Weight loss @ 200°c	0.82	1.1	1.21
% Weight loss @ 225°c	2	2.2	2.5
% Weight loss @ 250°c	3.8	4	4.9

Stenol Premium 220, Competitor 1 and Competitor 2



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Inference of TGA:

It is clearly observed that Stenol Premium 220 shows excellent high temperature performance by proving to have much lesser % of weight loss due to evaporation at elevated temperatures.

Residue Formation:

Residue formation plays a very important part when it comes to maintenance of chains. We take this parameter very seriously and to prove that we conducted a test to check the kind of residue that these oils leave after evaporation.



Inference of Residue Formation:

It is clearly observed that Stenol Premium 220 is very clean burning oil leaving behind minimum residue after burning compared to both its competitors.

Conclusion:

In accordance to the above tests we can conclude that the Stenol Premium 220 has better thermal stability and minimal residue formation in comparison to its competitors.