WORLD GASKET™
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the REAL ones.
the ONLY ones.

NEW GASKET CYL HD GASKET MATERIAL

Test performed 04/2024

Following customer needs and suggestions, we endeavored to enhance our **metal-paper sandwich material**, aiming to improve its reliability and sealing performance.

Sealing performance has been analyzed according to ASTM standards, focusing on two primary factors: **compressibility** and **recovery**.

We conducted tests on the following:

1. **OE Samples**
2. **Our New Material**
3. **Our standard Material**
4. **Competitor Product**

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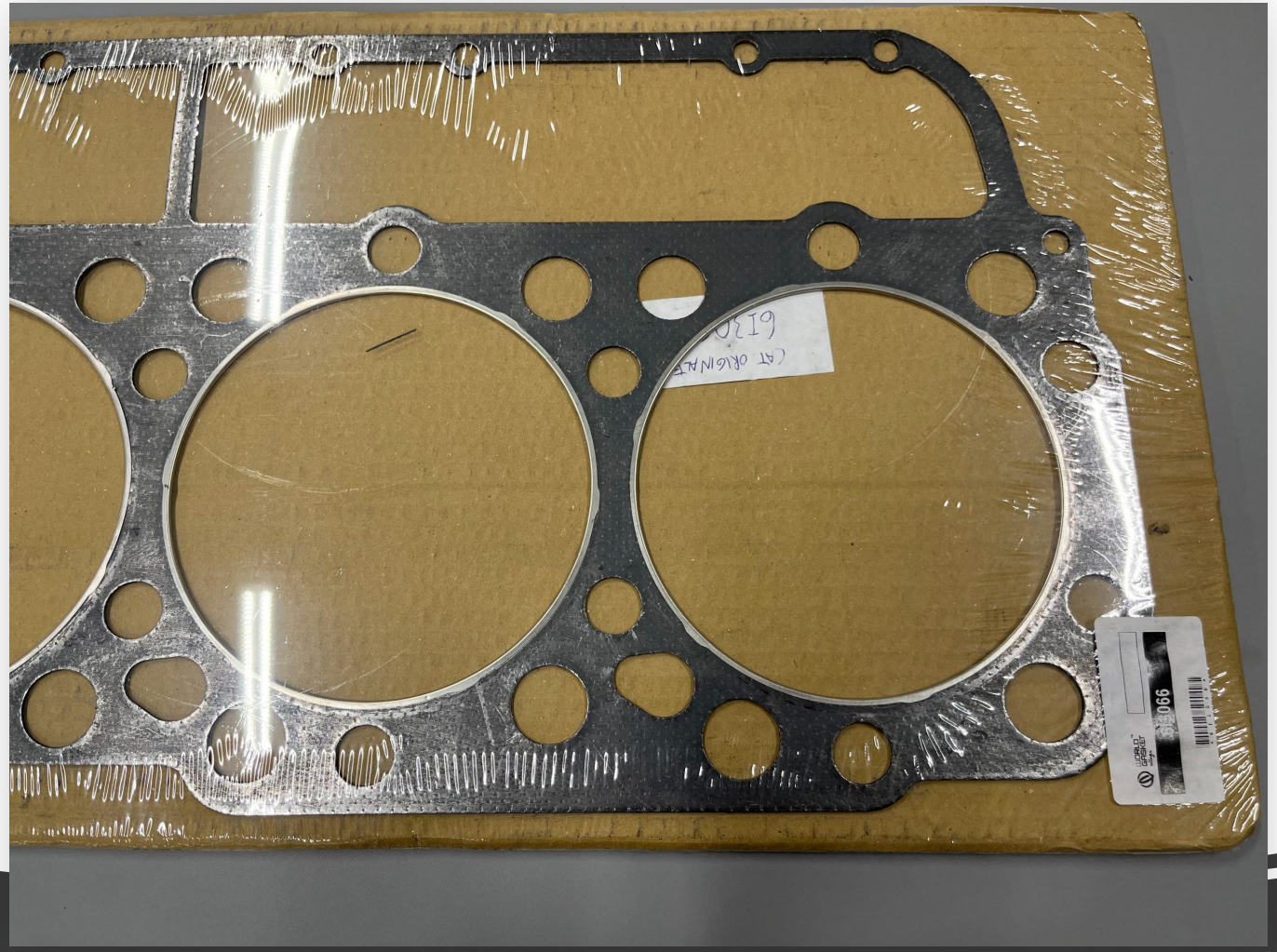
Summary

	OE CAT		Ellegi		Competitor
PN	6I3066	7N8022	**6I3066 Sample NEW MATERIAL**	6I3066 Sample STND MATERIAL	xxx
Compressibility	16,05%	8,41%	10,97% ↑	16,78%	12,37%
Recovery	89,96%	82,01%	71,30% ↑↑	58,28%	64,32%

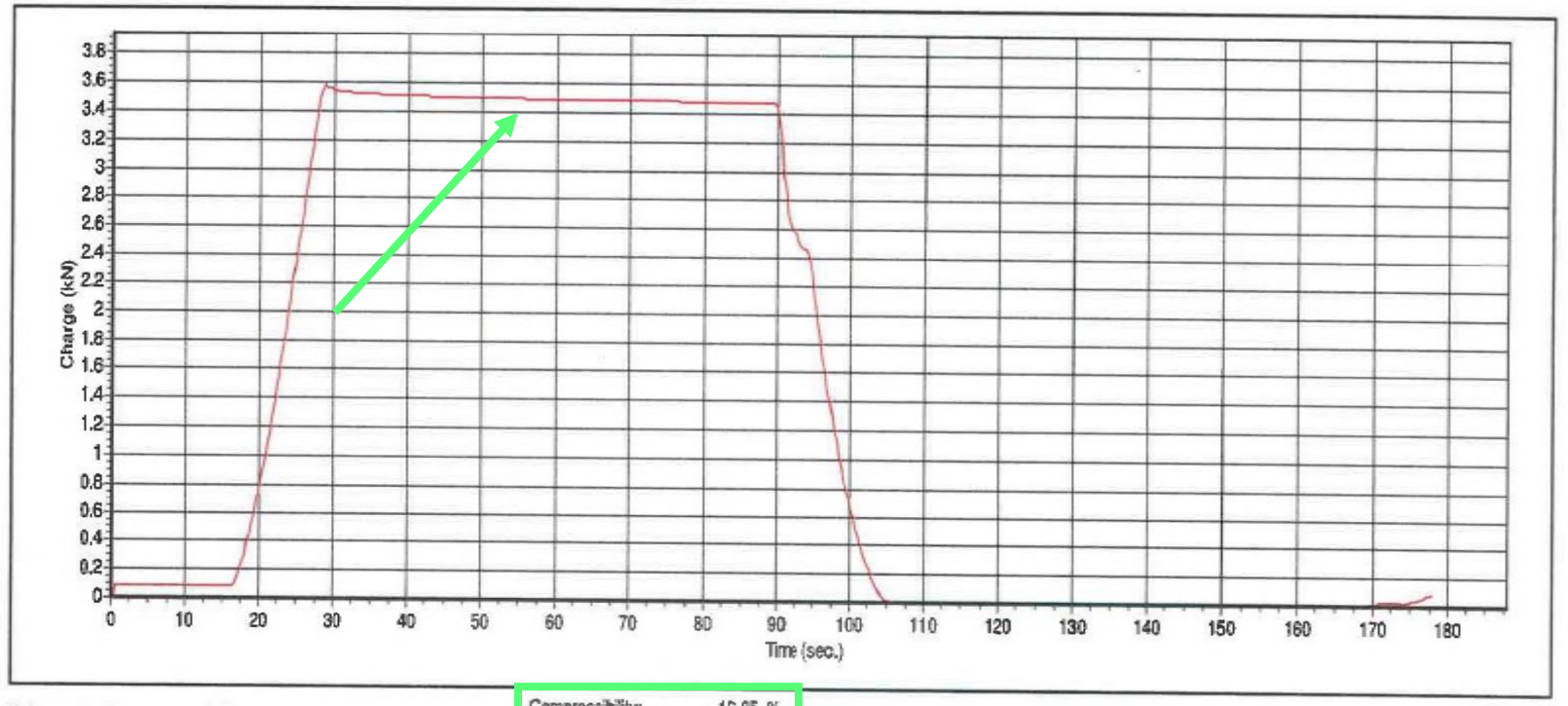
Starting from Ellegi Standard material, we observed significant improvements in compressibility and recovery.

The new material now exhibits properties closer to the extraordinary performance of the Original Equipment and surpasses the competitor product that is highly appreciated in the market.

1. **OE Sample: 6I3066 Gasket**



1. **OE Sample: 6I3066 Gasket**



Tickness proof	1.65 mm	Compressibility:	16.05 %
Value S0:	1.63 mm	Recovery:	89.96 %
Value S1:	1.37 mm	Total test time:	178 sec.
Value S2:	1.60 mm		

Note (1): Cylinder head gasket OE CAT test performed on GHD 6I3066 11apr2024

Note (2):

Note (3):

Operator

Controller

File Test: C:\UPC\FileManager\Test_GHD OE CAT 613066 11apr24_11_4_2024_9_5_25.mdb

1. **OE Sample: 7N8022 Gasket**

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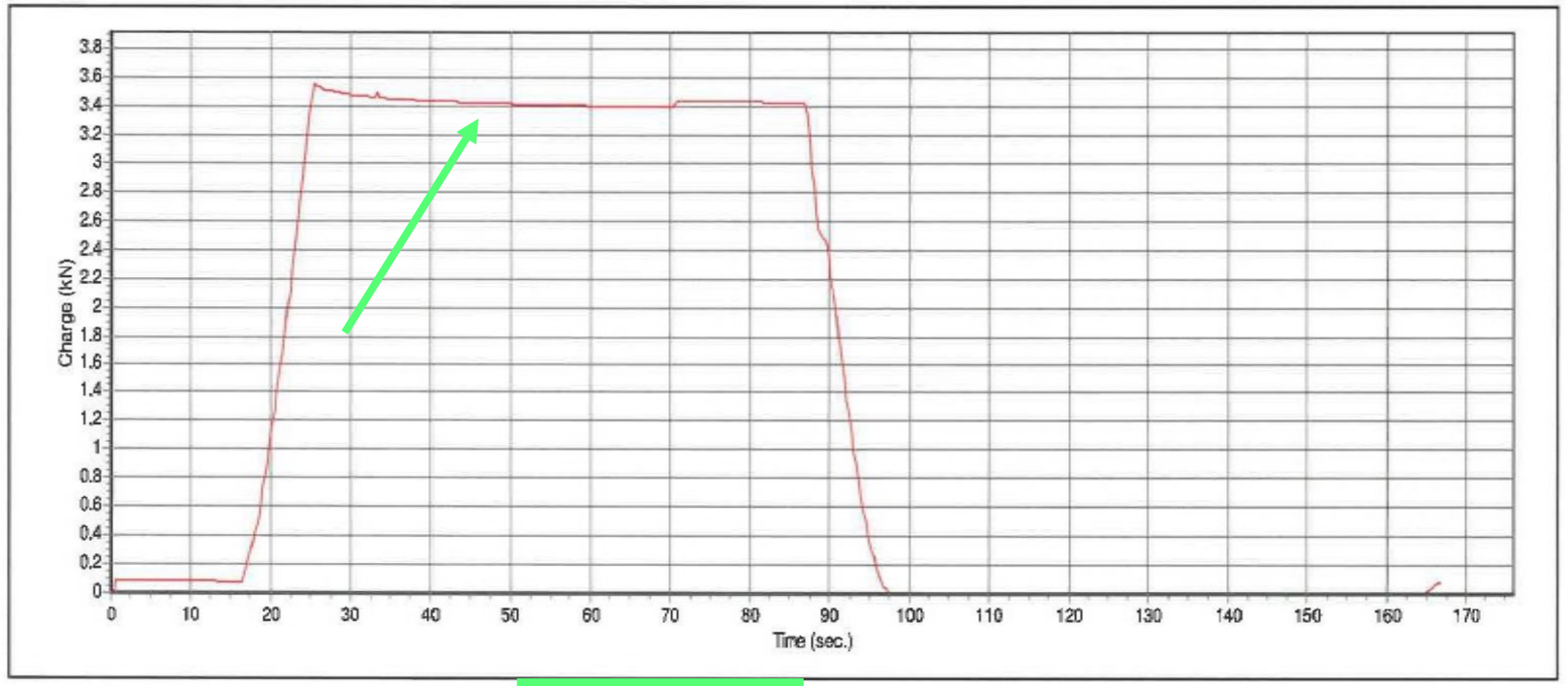

Tickness proof	1.58 mm
Value S0:	1.56 mm
Value S1:	1.43 mm
Value S2:	1.54 mm

Compressibility:	8.41 %
Recovery:	82.01 %
Total test time:	166 sec.

Note (1): OE CAT 7N8022 17apr2024

Note (2):

Note (3):

Operator

Controller

File Test: C:\UPC\FileManager\7N8022 OE 17apr2024_17_4_2024_9_4_46.mdb

2. **Our New Material**

Tested on a sample from a finished gasket 6I3066 (test batch)

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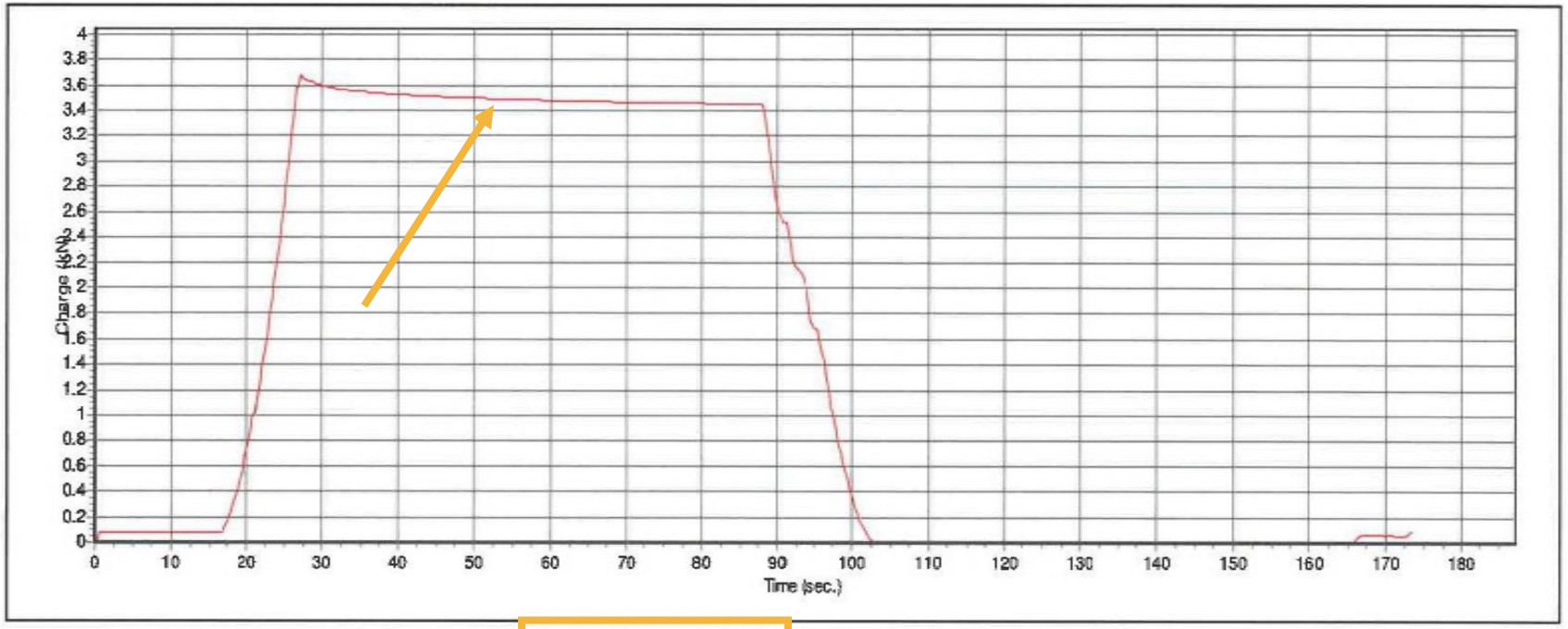
Tested on a sample from a finished gasket 6I3066 (test batch)



Tickness proof	1.89 mm	Compressibility:	10.97 %
Value S0:	1.79 mm	Recovery:	71.30 %
Value S1:	1.59 mm	Total test time:	173 sec.
Value S2:	1.73 mm		

Note (1): Cylinder head gasket ELLEGI_ NEW SW MATERIAL test performed on SAMPLE 11apr2024

Note (2):

Note (3):

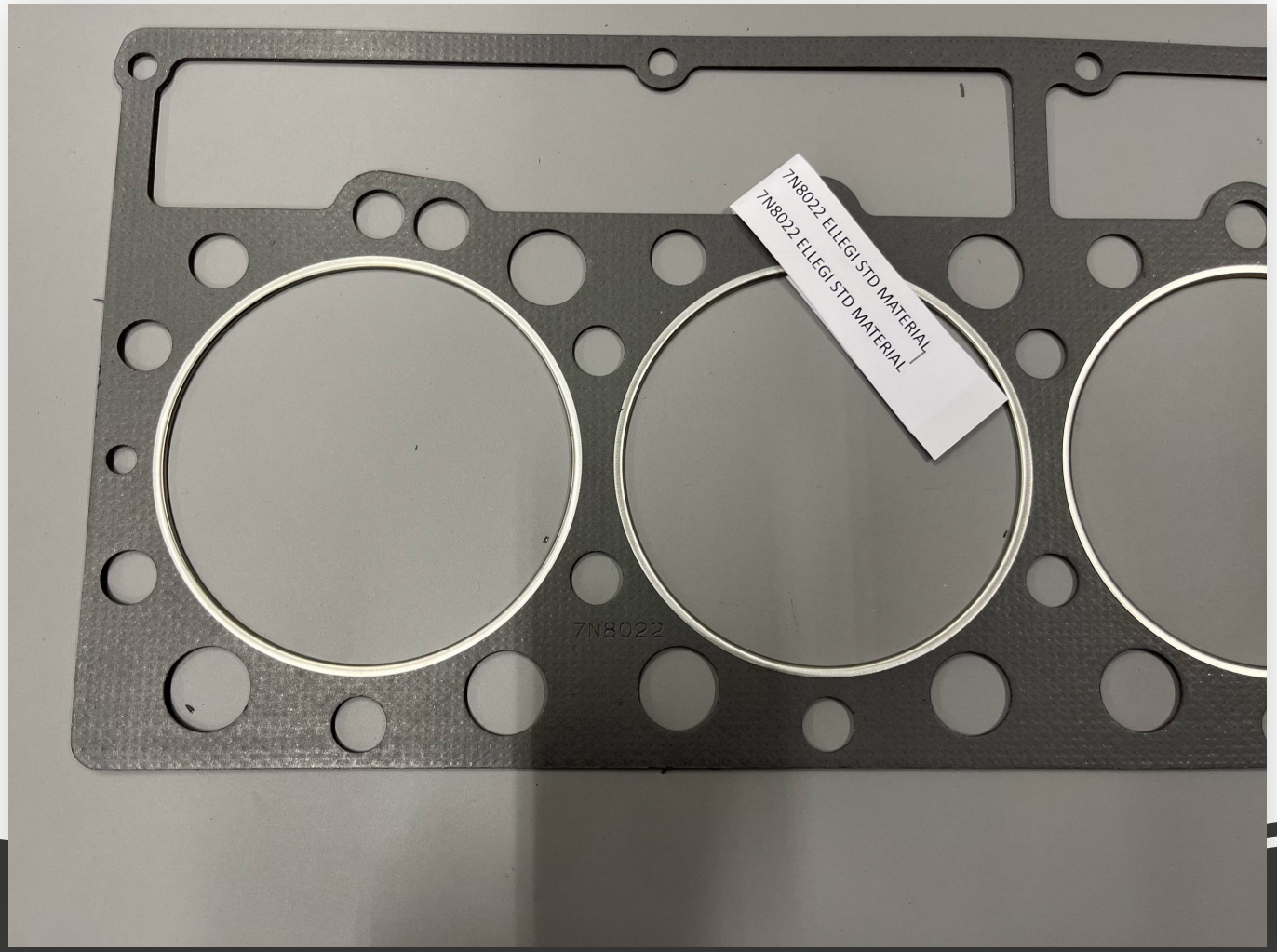
Operator

Controller

File Test: C:\UPC\FileManager\Test GHD NEW Material ELLEGI_11_4_2024_9_48_53.mdb

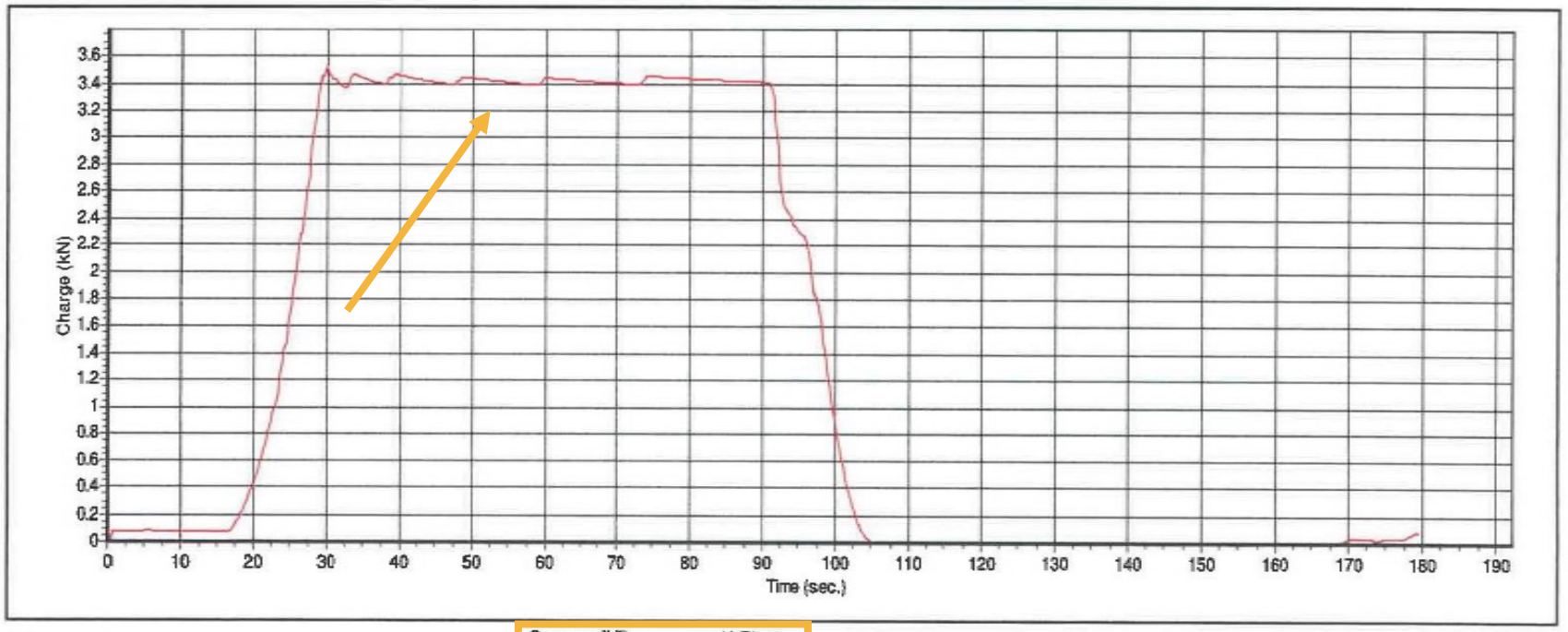
3. **Our Stnd Material**

Tested on a sample from a finished gasket 6I3066 (stock)



3. **Our Stnd Material**

Tested on a sample from a finished gasket 6I3066 (stock)



Tickness proof	1.82 mm	Compressibility:	16.78 %
Value S0:	1.76 mm	Recovery:	58.28 %
Value S1:	1.47 mm	Total test time:	180 sec.
Value S2:	1.64 mm		

Note (1): Cylinder head gasket ELLEGI_STANDARD SW MATERIAL test performed on SAMPLE 10apr2024

Note (2):

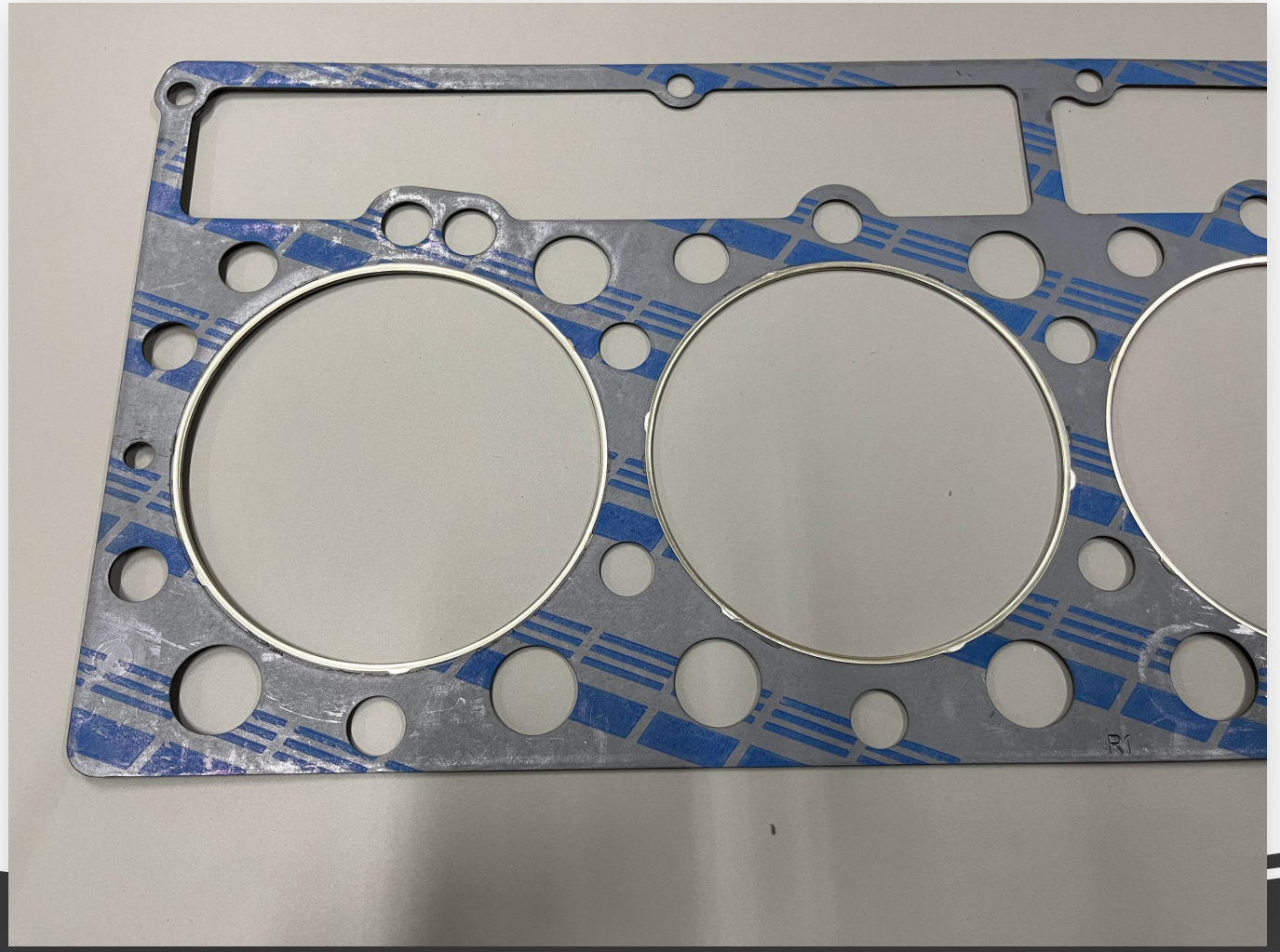
Note (3):

Operator

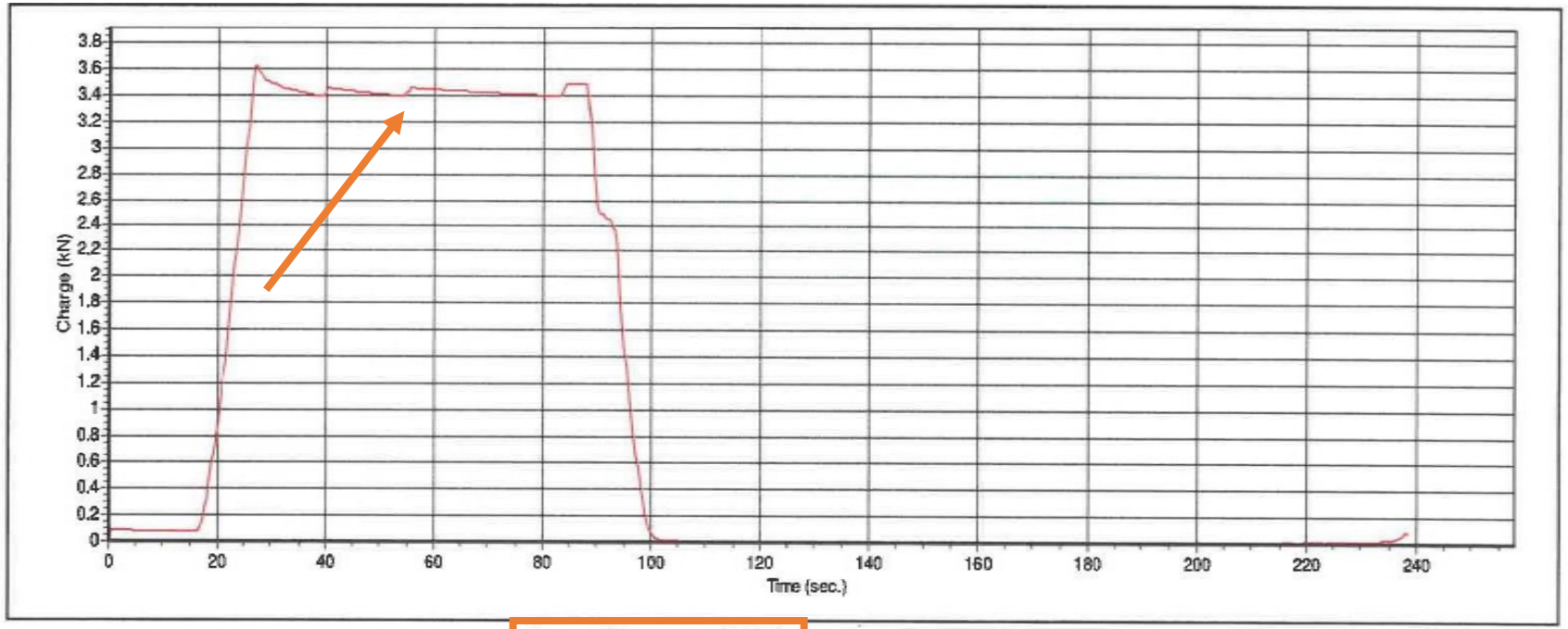
Controller

File Test: C:\UPC\FileManager\BATCH_24092912_10_4_2024_14_40_30.mdb

4. **Competitor Product**



4. **Competitor Product**



Tickness proof	1.99 mm	Compressibility:	12.37 %
Value S0:	1.58 mm	Recovery:	64.32 %
Value S1:	1.38 mm	Total test time:	238 sec.
Value S2:	1.51 mm		

Note (1): Cylinder head gasket FP DIESEL rigid test performed on GHD 1118015 11apr2024

Note (2):

Note (3):

Operator

Controller

File Test: C:\UPC\FileManager\Test_GHD FP Diesel 11apr24_11_4_2024_8_57_52.mdb