

TEST REPORT

Test No.: TTAT04611027

Date: Nov.02, 2016

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Client: SHENZHEN JDD TECH NEW MATERIAL CO., LTD.
Address: BUILDING 2, E ZONE, MINZHU WESTERN INDUSTRIAL AREA, SHAJING TOWN, BAOAN DISTRICT, SHENZHEN CITY, GUANGDONG PROVINCE, CHINA

The following merchandise was (were) submitted and identified by the client as:

Name of Product : JDDNSSL(rubber hose protective sleeve)
Test Model : 1#: inner diameter: 20mm, thickness: 0.8mm, color: black
2#: inner diameter: 23mm, thickness: 1.3mm, color: black
3#: inner diameter: 71mm, thickness: 0.8mm, color: red
4#: inner diameter: 71mm, thickness: 1.3mm, color: red
Sample Received : Oct.24, 2016
Test Period : Oct.24, 2016 – Oct.27,2016
Test Request : According to client's requirements, the sample was dealt with burst test.
Test Method : Reference to the standard of ISO 3457: 2003 Earth-moving machinery- Guards- Definitions and requirements.
Test Result : Please refer to the next page.
Conclusion : Based on the performed tests on submitted samples, the burst test result **complies with** ISO 3457: 2003.

Issued by:



Technical Manager

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Statement:

The samples tested in this report are provided and confirmed by the client. The test results in this report are only for samples and do not involve other samples of the same product. The manufacturer shall ensure that all products in production conform to the samples in this report.

Test Result and Summary:

Test Item	Test Method	Conclusion
Burst test	ISO 3457: 2003	Compliance

Remark:

Compliance: Meet the standard or client's requirements.

Un- Compliance: Does not meet the standard or client's requirements.

No conclusion: Only provide the test results, not to determine the results of compliance.

Test Specimens:

4 rubber hose protective sleeves with different inner diameter, thickness and color

***** To be continued *****

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Test Result:

Sample	Rubber Hose	Test Result	ISO 3457-2003 Requirement	Conclusion
1#	Rubber hose specification: - Gates 5M3K - Outside diameter :7.9mm - Maximum working pressure: 800 PSI - Length:700mm	<ul style="list-style-type: none"> - The minimum burst pressure of rubber hose is 3100 PSI. - The protective sleeve is not damaged. - The liquid in rubber hose did not splash due to protection of protective sleeve. 	If rubber hose bursts when water pressure is more than minimum burst pressure, the protective sleeve can effectively protect the liquid in the rubber hose from splashing.	Compliance
2#	Rubber hose specification: - Gates 5M3K - Outside diameter :7.9mm - Maximum working pressure: 800 PSI - Length:700mm	<ul style="list-style-type: none"> - The minimum burst pressure of rubber hose is 3200 PSI. - The protective sleeve is not damaged. - The liquid in rubber hose did not splash due to protection of protective sleeve. 	If rubber hose bursts when water pressure is more than minimum burst pressure, the protective sleeve can effectively protect the liquid in the rubber hose from splashing.	Compliance

***** To be continued *****

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Sample	Rubber Hose	Test Result	ISO 3457-2003 Requirement	Conclusion
3#	Rubber hose specification: - KG1NF-800 - Outside diameter :49.8mm - Maximum working pressure: 800 PSI - Length:600mm	- The minimum burst pressure of rubber hose is 3100 PSI. - The protective sleeve is not damaged. - The liquid in rubber hose did not splash due to protection of protective sleeve.	If rubber hose bursts when water pressure is more than minimum burst pressure, the protective sleeve can effectively protect the liquid in the rubber hose from splashing.	Compliance
4#	Rubber hose specification: - Gates KG1NF-800 - Outside diameter :49.8mm - Maximum working pressure: 800 PSI - Length:600mm	- The minimum burst pressure of rubber hose is 3000 PSI. - The protective sleeve is not damaged. - The liquid in rubber hose did not splash due to protection of protective sleeve.	If rubber hose bursts when water pressure is more than minimum burst pressure, the protective sleeve can effectively protect the liquid in the rubber hose from splashing.	Compliance

Remark:

- 1) 1#: inner diameter:20mm, thickness: 0.8mm, color: black
 2#: inner diameter: 23mm, thickness: 1.3mm, color: black
 3#: inner diameter: 71mm, thickness: 0.8mm, color: red
 4#: inner diameter: 71mm, thickness: 1.3mm, color: red
- 2) Medium: water
- 3) Un-aged rubber hose assemblies, on which the end fittings have been attached for not more than 30 days.
- 4) Burst test procedure:
 Reference to the standard of SAE J343:2016 Test and Test Procedures for SAE 100R Series Hydraulic Hose and Hose Assemblies:

***** To be continued *****

TÜV Thüringen Anlagentechnik GmbH & Co. KG

Unless otherwise stated the results shown in this report refer only to the sample(s) tested. This test report shall not be reproduced except in full without prior written approval of the company.

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- a) To a hydrostatic pressure, increased at a constant rate so as to attain the specified minimum burstpressure within a period of not less than 15 s nor more than 60 s.
- b) Rate of increased pressure: 50~200 PSI/s.
- 5) Burst test is performed under specific conditions including: minimum burst pressure, rubber hose and assemblies, medium, gap between rubber hose and protective sleeve. Any change in conditions will affect the test result.
- 6) If a significant risk of injury exists from parts containing fluid, such hazards shall be addressed by design, by guarding, by locating beyond safety distances or by warning. Where it is necessary for machine components to be exposed in order for them to perform their intended function, guarding shall be provided to the extent permitted by proper operation or use. When guarding cannot eliminate the hazard associated with operating conditions as specified by the machine manufacturer, appropriate safety warnings in accordance with ISO 9244 shall be applied.

***** To be continued *****

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Sample Photos

 <p>TTAT04611027</p>	 <p>TTAT04611027</p>
<p>Sample 1#_ assembled with rubber hose</p>	<p>Sample 2#_ assembled with rubber hose</p>
 <p>TTAT04611027</p>	 <p>TTAT04611027</p>
<p>Sample 3#_ assembled with rubber hose</p>	<p>Sample 4#_ assembled with rubber hose</p>

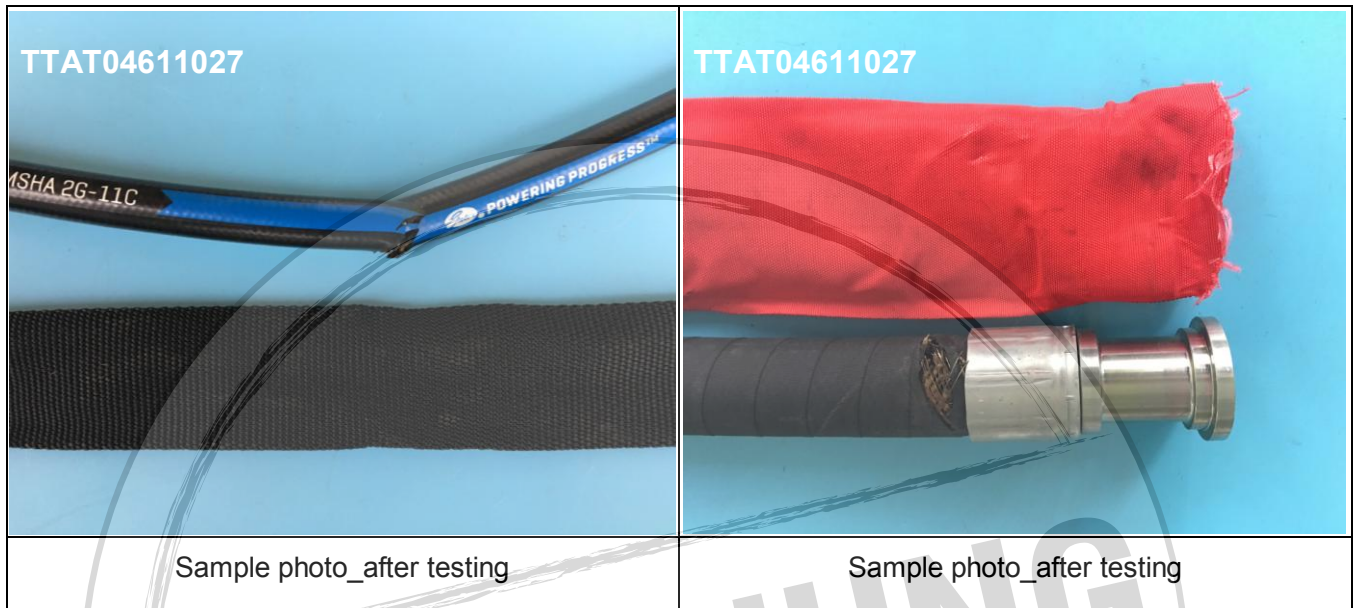
***** To be continued *****

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***** END OF REPORT *****

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