



Smithers MSE

1150 North Freedom Street

Ravenna, Ohio 44266

Tel: 330-762-7441

www.smithers.com

Client:	Omni United (S) Pte Ltd (PREPAY)	Quote Number:	25-1002932BT
Tracking Number:	2503627	Client Part Number:	NA
Test Description:	Tire Durability -- Endurance with FMVSS 139 Test Protocols	Client Project #:	NA

LABORATORY TEST REPORT - Endurance

GENERAL INFORMATION

Test Type:	Endurance	Test Number:	TRL-25-1401
Client Test Spec.:	FMVSS 139	Date Received:	4/23/2025
PO Number:	NA	Retread:	No
Wheel Size:	22x10.0 J (2404247)		

TIRE LABELING INFORMATION

Tire Brand:	AVIX	Load Index:	125
Tire Name:	TRAILTEK R/T	Speed Symbol:	Q
Tire Size:	35X12.50R20LT	Max Infl. (single):	80 PSI 550 kPa
DOT No.:	00K XY6UVL 4824	Max Infl. (dual):	NA NA
Construction:	R	Max. Load (single):	3640 lbs 1650 kg
Tube Type:	TL	Max. Load (dual):	NA NA
Load Range:	F	Regroovable:	NA
Ply Rating:	12	Treadwear Indicator:	Yes
No. Plies on S.W.:	3	Sidewall Color:	BW
No. Plies of Tread:	7	Street/Deep Tread:	ST
Max Speed:	NA	Temperature:	NA
Carc. Cord Matrl:	POLY	Treadwear:	NA
Belt Cord Matrl:	POLY,STL,NYL	Traction:	NA

PRETEST INSPECTIONS

Beads: No Visible Defects	Innerliner: No Visible Defects
Sidewall: No Visible Defects	Tread: No Visible Defects

DOT / TIN INFORMATION

	Inboard Side	Outboard Side	Meets Requirement
DOT	Yes	Yes	Yes
TIN	Partial	Full	Yes
Alpine Symbol	No	No	NA

CONDITIONING

	Date	Time	Pressure (PSI)	Temperature (°F)
Start	1-May-25	10:00	49.3	95.0
End	4-May-25	6:00	51.2	95.0
Conditioning Hours		68.00		

TEST SUMMARY

Removal Date:	5/6/2025	Duration:	35.5 Hours
Reason:	Test Complete (Hours Met)	Final Speed:	75 MPH (120.7 KPH)
Machine:	4 Machine	Distance:	2627 miles (4526.3 km)
Station:	3	Final Load:	3640 lbs (1651.1 kg)
Results:	No Visible Defects		
Final Step Duration:	1.50 hours at 3640 lbs.		



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TEST DATA										
Date	Time	On/Off	Miles	Speed (MPH)	Load (lbs)	Pressure (PSI)	Ambient Temp. (°F)	Step Time	Total Hours	Comments
5/4/2025	10:26	ON	0.0	75.0	3094.0	49.3	96.0	4.00	0.00	Start Test; Air Gauge #205
5/4/2025	14:26	ON	300.0	75.0	3276.0		96.0	6.00	4.00	
5/4/2025	20:26	ON	750.0	75.0	3640.0		103.0	24.00	10.00	
5/5/2025	20:26	OFF	2,550.0	0.0	0.0	52.2	103.0	0.00	34.00	No Visible Defects; PSI at 21:00; Air Gauge #251
5/5/2025	21:02	OFF	2,550.0	0.0	0.0	37.7	97.0	0.00	34.00	Cool Down
5/5/2025	23:02	OFF	2,550.0	0.0	0.0	35.6	96.0	0.00	34.00	PSI at 23:07; Air Gauge #251
5/5/2025	23:09	ON	2,550.0	75.0	3640.0	37.7	96.0	1.50	34.00	
5/6/2025	0:39	OFF	2,627.0	0.0	0.0	42.8	97.0	0.00	35.50	End Test; PSI at 01:00; Air Gauge #251

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This report has been prepared for Omni United (S) Pte Ltd (PREPAY) Veneesh Pillai Tel: (656) 510-3087 1 Raffles Place #30-03 One Raffles Place 048616 Singapore	Approved By: <u>George Gotsy</u> Date: <u>5/9/2025</u>
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Engineering Comments:

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35.50 Hours

Figure: 1



35.50 Hours

Figure: 2

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35.50 Hours
Figure: 3