HI-SPEED INDUSTRIAL SERVICE

QualiTest® Diagnostics

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July 25, 2025

Derreck Smith
Louis Dreyfus Co.
West Memphis, AR

The following is a summary of findings from the vibration analysis that was performed on July 21, 2025

QualiTest® uses a four step rating system for defects.

CLASS I: Defect is present, but effect on reliability is not clear; no immediate action is required. Continue to normally monitor.

CLASS II: Defect (s) present that may cause problem in long term (2-6 months). Repair during normal maintenance scheduling. Continue to monitor.

CLASS III; Defect (s) present that may cause failure in short term (less than 2 months). This should be addressed as soon as practical, with a high maintenance priority. Increase monitoring frequency.

CLASS IV; Defect (s) present that makes continued reliability unpredictable, and possibility of secondary damage is high. Repairs should be made ASAP. An unscheduled shutdown should be considered for repairs

Data Summary

BE-705
The recent data taken on 7-21-25 shows vibration to be within acceptable parameters at this time. We will continue to monitor closely.

Take Up Drive
The recent data taken on 7-21-25 shows vibration to be within acceptable parameters at this time. We will continue to monitor closely.

RV-800
The baseline data taken on 7-21-25 shows vibration to be within acceptable parameters at this time. We will continue to monitor closely.

F-800
The baseline data taken on 7-21-25 shows vibration to be within acceptable parameters at this time. We will continue to monitor closely.

F-900
The baseline data taken on 7-21-25 shows vibration to be within acceptable parameters at this time. We were only able to get data from the motor because the fan bearing housings are not accessible due to guarding. The guard needs to be modified to allow for our sensor placement on the fan bearing housings. We will continue to monitor closely.

RV-900
The baseline data taken on 7-21-25 shows vibration to be within acceptable parameters at this time. We will continue to monitor closely.

Abbreviated Last Measurement Summary

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Database: LOUIS DREYFUS.rbm
Area: LOUIS DREYFUS WEST MEMPHIS

MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
BE-705 - BE-705	(21-Jul-25)	
	OVERALL LEVEL	1K-20KHz
MOH	.107 In/Sec	.140 G-s
MOP	.0028 In/Sec	
MOV	.174 In/Sec	.036 G-s
MIH	.080 In/Sec	.233 G-s
MIP	.0042 In/Sec	
MIV	.102 In/Sec	.070 G-s
MIA	.091 In/Sec	.120 G-s
G1H	.097 In/Sec	.363 G-s
G1P	.0065 In/Sec	
G1V	.082 In/Sec	.120 G-s
G1A	.068 In/Sec	.065 G-s
G2H	.052 In/Sec	.263 G-s
G2P	.0038 In/Sec	
G2V	.082 In/Sec	.122 G-s
G2A	.056 In/Sec	.086 G-s
G3H	.059 In/Sec	.531 G-s
G3P	.016 In/Sec	
G3V	.0040 In/Sec	
G4H	.071 In/Sec	.167 G-s
G4P	.0026 In/Sec	
G4V	.0043 In/Sec	
G4A	.0015 In/Sec	
TAKEUPDRVE - TAKE UP DRIVE	(21-Jul-25)	
	OVERALL LEVEL	1K-20KHz
MOH	.073 In/Sec	.839 G-s
MOP	.014 In/Sec	
MOV	.094 In/Sec	.434 G-s
MIH	.058 In/Sec	1.196 G-s
MIP	.019 In/Sec	
MIV	.097 In/Sec	.397 G-s
MIA	.089 In/Sec	.364 G-s
G1H	.043 In/Sec	1.162 G-s
G1P	.018 In/Sec	
G1V	.077 In/Sec	.465 G-s
G1A	.057 In/Sec	.208 G-s
G2H	.043 In/Sec	1.010 G-s
G2P	.015 In/Sec	
G2V	.080 In/Sec	.357 G-s
G2A	.040 In/Sec	.198 G-s
G3H	.042 In/Sec	.828 G-s
G3P	.0089 In/Sec	
G3V	.0033 In/Sec	
G3A	.0032 In/Sec	
G4H	.053 In/Sec	.278 G-s
G4P	.0055 In/Sec	
G4V	.0024 In/Sec	
RV-800 - RV-800	(21-Jul-25)	
	OVERALL LEVEL	1K-20KHz
MOH	.078 In/Sec	.160 G-s
MOP	.0029 In/Sec	
MOV	.255 In/Sec	.082 G-s
MIH	.082 In/Sec	.140 G-s
MIP	.0028 In/Sec	
MIV	.101 In/Sec	.046 G-s

	MIA	.144 In/Sec	.037 G-s
	G1H	.052 In/Sec	.037 G-s
	G1V	.036 In/Sec	.033 G-s
	G1A	.057 In/Sec	.044 G-s
	G2H	.054 In/Sec	.038 G-s
	G2V	.036 In/Sec	.018 G-s
	G2A	.063 In/Sec	.028 G-s
	G3H	.085 In/Sec	.017 G-s
	G4H	.026 In/Sec	.019 G-s

F-800 - F-800 (21-Jul-25)

	OVERALL LEVEL	1K-20KHz
MOH	.129 In/Sec	.468 G-s
MOP	.0070 In/Sec	
MOV	.132 In/Sec	.303 G-s
MIH	.129 In/Sec	.432 G-s
MIP	.0061 In/Sec	
MIV	.071 In/Sec	.105 G-s
MIA	.086 In/Sec	.124 G-s
G1H	.088 In/Sec	.697 G-s
G1P	.016 In/Sec	
G1V	.200 In/Sec	.251 G-s
G1A	.115 In/Sec	.235 G-s
G2H	.133 In/Sec	.727 G-s
G2P	.018 In/Sec	
G2V	.139 In/Sec	.434 G-s
G2A	.131 In/Sec	.479 G-s

F-900 - F-900 (21-Jul-25)

	OVERALL LEVEL	1K-20KHz
MOH	.219 In/Sec	.702 G-s
MOP	.012 In/Sec	
MOV	.222 In/Sec	.127 G-s
MIH	.230 In/Sec	.885 G-s
MIP	.016 In/Sec	
MIV	.126 In/Sec	.205 G-s
MIA	.127 In/Sec	.309 G-s

RV-900 - RV-900 (21-Jul-25)

	OVERALL LEVEL	1K-20KHz
MOH	.063 In/Sec	.074 G-s
MOP	.0017 In/Sec	
MOV	.432 In/Sec	.044 G-s
MIH	.051 In/Sec	.082 G-s
MIV	.084 In/Sec	.022 G-s
MIA	.112 In/Sec	.017 G-s
G1H	.049 In/Sec	.044 G-s
G1V	.036 In/Sec	.023 G-s
G1A	.025 In/Sec	.015 G-s
G2H	.040 In/Sec	.037 G-s
G2V	.040 In/Sec	.020 G-s
G2A	.027 In/Sec	.025 G-s
G3H	.081 In/Sec	.043 G-s
G3P	.0019 In/Sec	
G4H	.024 In/Sec	.0085 G-s

Clarification Of Vibration Units:

Acc	-->	G-s	RMS
Vel	-->	In/Sec	PK

As always, it has been a pleasure to serve The Louis Dreyfus Co. If there are any comments or questions, do not hesitate to contact us.

Sincerely,

ISO Certified Vibration Analyst, Category III

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