# VibePro

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GTILube

DESCRIPTION

Route-based ultrasound lubrication under an over lubrication of bearings are major causes of bearing failure. GTILube is a simple app thatuses UE Systems sensor technology to baseline and measure changes in the ultrasound signal to determine when a bearing needs lubrication. GTILube uses NASA standards for ultrasound measurement – an 8 dB increase signals a need for lubrication. A 12 dB increase indicates early bearing failure
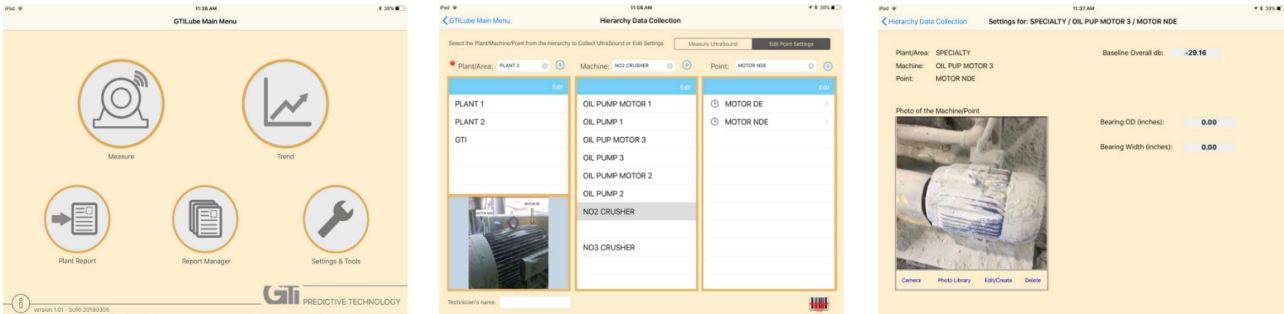
GTILube includes a calculator for determining an acceptable amount of lubrication for the bearing based on its geometry. This value is displayed on-screen when the measurement exceeds the Alert level. Users can also enter and display the type of grease for each bearing.
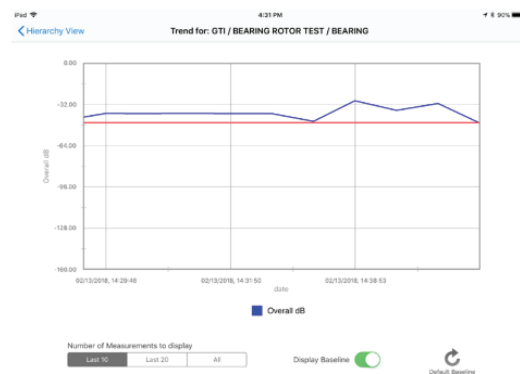
GTILube uses GTI Hierarchy technology for simple set up of routes and measurements. Bearing geometry is added during measurement set up. Users can accept the initial measurement as a baseline or enter a custom baseline value.
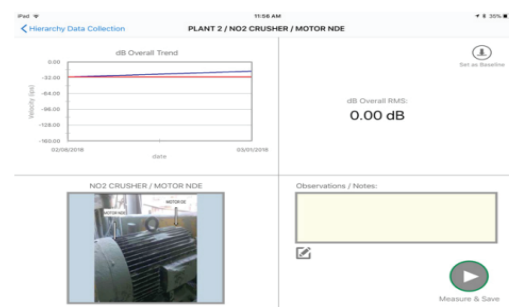
DATA

	LOOP POWERED	CURRENT OUTPUT
POWER SUPPLY:	18-30 V (30 MA MAX)	18-30 V
CURRENT DRAW:	4-20 MA (25 MA MAX) PROPORTIONAL TO ULTRASOUND SIGNAL DETECTED	Enabled
OUTPUT: *OPTIONAL:	DEMODULATED/HETERODYNED*	DEMODULATED/HETERODYNED* 4-20 MA PROPORTIONAL TO ULTRASOUND SIGNAL DETECTED
AMBIENT TEMPERATURE RANGE:	32°-122°F (0°-50°C)	
DETECTION FREQUENCY:	40 KHZ (± 2 KHZ)	
NON-VOLATILE SENSITIVITY ADJUSTMENT:	PUSHBUTTON CONTACT CLOSURE OR TTL CONTROL SIGNAL	
CABLE:	RF SHIELDED 10 (3M)	
TRANSDUCER:	PIEZOELECTRIC	
METHOD OF ATTACHMENT:	10/32 THREAD MOUNTING HOLD	
HOUSING:	STAINLESS STEEL: WATER RESISTANT & DUST PROOF, MEETS NEMA 4X	

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866.719.2645 // 35 Zachary Road // Manchester, NH 03109

http://VibePro.com