



# Premium Transmission Limited

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Premium took the trial of their gearbox Type B3-400 38.4/1 P1A ACW Sr.No. HG 15515 for two hours with their (Premium) oil ISO VG 320 and with Mint Oil (Type MP EP GO 100). Trail Parameters Such as Noise Level, Vibration, Oil Temperature Rise & Energy Consumed results were recorded during the trail run and the result were compared.

The details are as under

Comparison Chart After 2 Hours Running Trial				
Sr. No.	Parameter	Premium Oil	Mint Oil	Remarks
1	Noise Level in dBA	81	81	No Difference
2	Vibrations in Microns			Improved
	Vertical	17	13	
	Horizontal	8	7	
	Axial	25	22	
3	Oil Temp Rise after 2 Hrs	11.2°C	6.6°C	Improved
4	Energy Consumption in KWH	7.38	6.53	Improved

For Detail, Please see Attached Reportts.

Observations :- There is an Improvement inVibration, Oil Temperature Rise & Energy Consumed.

However no difference in Noise Level was observed.

This Trial was taken as per Request By M/s. INTECH ENERGY SOLUTIONS PVT. LTD. PUNE.

H.B.Khandagale 10/8/2012

Sr. Manager. QC

S.R.APTE

Consultant