



Malcan Greentec



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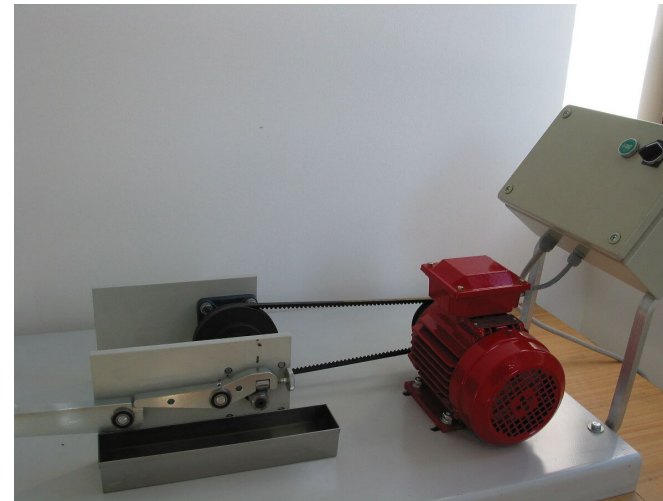
Testing and analysis facilities at Malcan Greentec



Wear test equipment

BRUGGER-Test (according DIN E 51347-1)

- The lubricant tester according to DIN E 51347-1 is used for the testing of lubricants when used in mixed friction areas
- The test results describe the behavior of the lubricants in tribosystems in which mixed friction between friction partners occurs
- BRUGGER-Test at 400 N for 5 sec., during the complete impact period of 30 sec. at 28°C temperature



Picture 1: Brugger-Test equipment to simulate the engine attitude for wear distribution effect

Grundmaterial: **Getriebeöl Shell Omala F220**

Picture 2: Brugger-Test validation results showing the improved wear situation

Datum:	6.Mai 2011					
Additiv:	6G					
Uhrzeit:	13:00 Uhr	13:45 Uhr	14:30 Uhr	15:15 Uhr	16:00 Uhr	16:45 Uhr
Versuchszeit:	Einwirkungszeit 30" Belastungszeit 30"					
Temperatur des Prüfkörpers	22 °C	22 °C	22 °C	22 °C	22 °C	22 °C
Kalottenmaß a	3,40	3,40	3,30	0,90	0,90	0,90
Kalottenmaß b	4,10	4,00	3,80	1,00	1,00	1,00
N/mm2	42,04	43,09	46,73	651,10	651,10	651,10
Durchschnitt von a + b + c		43,95			651,10	



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