



**SCHOOL OF MECHANICAL, MANUFACTURING AND MEDICAL ENGINEERING**  
**THE TRIBOLOGY GROUP**

**CLIENT:** Uniglide Pty Ltd  
1 Eagle Street  
BRISBANE 4000

**PROFESSIONAL SERVICES**

**REPORT NO: TR 300**

**TITLE:** Oil Additive Testing

**Queensland University of Technology**  
**School of Mechanical, Manufacturing and Medical Engineering**  
**The Tribology Group**

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TESTING SERVICES REPORT NO TR 300

TITLE Oil Additive Testing  
DATE 26 October, 1999  
CLIENT Uniglide Pty Ltd  
ADDRESS 1 Eagle Street, Brisbane 4000  
CONTACT John Spellacy, Stephen Walker  
TELEPHONE 0413 4399 79, 0417 932 070  
ORDER NO Letter  
EQUIPMENT USED 4-Ball Test Machine  
TEST STANDARD 4/Ball Wear to ASTM standard D4172  
4-Ball Wear done at 150°C at client's request. Otherwise ASTM Standard followed.

SAMPLES	RESULTS
Automotive Lubrication Mobil XHP 15W40	4/Ball Wear Scar diameter 0.66mm
Automotive Lubrication Mobil XHP 15W40 + 10% Uniglide	4/Ball Wear Scar diameter 0.58mm

These results indicate that the addition of 10% of Uniglide improves the wear performance.

Oil additives supplied were blended to the manufacturer's recommendations with a standard mineral base automotive crankcase lubricating oil and automotive gear oil. Blending ratio 10% additive to standard automotive lubrication.



DJ McIntosh  
Senior Technician

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