

# STANDARD WEARCHECK TESTS

Effective March 2011

Test Type	Petrol Engine	Diesel Engine	Marine Engine	Gas Engine	Hydraulic	Turbine	Gear	Trans- mission	Refrig Comp	Air Comp	Grease	Engine Coolant
<b>ELEMENTAL ANALYSIS</b>												
Al	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cu	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fe	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pb	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sn	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Si	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mg	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mo	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Na	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ca	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Zn	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ni	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ba												
Cd												
Mn												
Ti												
V												
S												
Sb												
Ag												
<b>FTIR</b>												
Water	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
Soot		✓	✓									
Glycol	✓			✓								
Nitration	✓			✓								
Sulphation		✓	✓	✓								
Oxidation		✓	✓	✓	✓	✓	✓	✓	✓	✓		
TBN		✓										
<b>PHYSICAL</b>												
Visc@40	✓			✓	✓	✓	✓	✓	✓	✓		
Visc@100		✓	✓	✓								
TAN				✓		✓			✓	✓		
TBN			✓	✓								
Dispersancy												
PQ Index	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
ISO Cleanliness					✓	✓		✓	✓			
Moisture (KF)									✓			
Visc Index				✓								
Fuel	✓	✓	✓									
Nitrite												✓
Chloride												✓
pH												✓
TDS												✓
Res. Alk												✓
Conductivity												✓
Glycol %												✓

**Note:** Test packages are determined by the laboratory to ensure relevant tests are carried out for the compartment sampled.