

Oil Analyses – Gasoline and diesel engines		Test packages		
		monitoring	basic	extended
CONDITION	Viscosity at +40 °C	■	■	■
	Viscosity at +100 °C	■	■	■
	Viscosity index	■	■	■
	Total base number (TBN)	■	■	■
	Elemental analysis by ICP, Additives: Ca, Mg, Zn, P, Ba, B, S	■	■	■
	FT – IR -analysis oxidation, nitration and sulfonation	■	■	■
WEAR	Elemental analysis by ICP, Wear metals: Fe, Cr, Sn, Al, Ni, Cu, Pb, Mo	■	■	■
	Membrane filtration – microscope analyses:			
	<ul style="list-style-type: none"> • wear metal particles by microscope and wear rate (normal, accelerated, severe wear and damage) 	■	■	■
	<ul style="list-style-type: none"> • maximum size of wear metal particles 	■	■	■
	PQ – index	■	■	■
CLEANLINESS	Elemental analysis by ICP, Contaminants: Si, K, Na	■	■	■
	Glycol content	■	■	■
	Membrane filtration – microscope analyses:			
	<ul style="list-style-type: none"> • visual identification of contaminants 	■	■	■
	<ul style="list-style-type: none"> • insolubles 	■	■	■
	Water by Karl Fischer titration	■	■	■
	Blotter spot test	■	■	■
	Fuel content	■	■	■
Soot content	■	■	■	

■ included

■ not included