

Report Date: 05/9/2006
Report Number: 789/06
Vehicle: 2006 Honda Accord Euro R
Engine: 2000cc i-Vtec
Lubricant: XREV Racing 5w30 Fully Synthetics
Engine Mileage: 30000 km
Mileage on Lube: 10000 km

USED OIL ANALYSIS

ELEMENTALS IN PPM	Aluminum	0	No piston wear
	Chromium	0	No ring wear
	Iron	4	Low cylinder and valvetrain wear
	Copper	3	Low bushing wear
	Lead	1	Low bearing wear
	Tin	0	No bearing and piston wear, excellent level of protection
	Molybdenum	0	Normal for this formulation
	Nickel	0	Normal, no valve guide or wrist pin wear
	Vanadium/antimony	0/0	normal
	Silver	0	Normal
	Titanium	0	Normal
	Potassium	0	Normal
	Boron	28	Normal oil add
	Silicon	2	Low dirt ingress. Good filtration.
	Sodium	4	Normal oil add
	Calcium	2468	Normal oil add
	Magnesium	345	Normal oil add
	Phosphorus	761	Normal oil add
	Zinc	950	Normal oil add
Barium	0	Normal	
LUBE CONDITION	Viscosity	cSt	65.1/40C- Perfect, 10.51/100C- Excellent
	Flashpoint /C	235	Good level.
	Fuel %	0.5	Acceptable.
	Coolant %	0.0	normal, none
	Water %	KF	Karl Fischer testing 701, normal.
	Soot	0	Perfect
	TAN	0.30	Very low level. Good.
	TBN	7.80	Good level with plenty of acid fighting reserves as indicated by low TAN

Conclusions:

Very low wear and tear. Engine is in good shape mechanically and oil did very well providing excellent protection especially for the pistons and bearings.