

5 benefits of regular oil analyses

Oil analysis is an essential tool in the proactive maintenance of vehicles and machines. The range of services provided by Alpha Maintenance Systems is based on the principle that machines that run on cleaner fuel, air and oil have a longer life and operate more efficiently. This improves productivity and cuts costs.

Oil analyses offers substantial advantages at various levels:

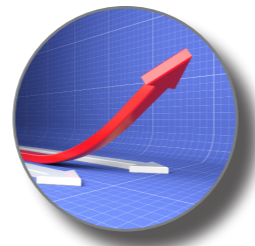


1 Cost savings

Using regular oil analysis, we can reduce maintenance costs and extend the life of your machines and vehicles. A double saving in your costs!

2 Higher productivity

Through proactive maintenance, machine downtime can be reduced to a minimum. A higher productivity will be the logical effect.



3 Peace of mind

Oil analysis is used as a warning system for imminent problems. Using trend analysis, the maintenance works can be anticipated in time. This way you won't be caught by surprise!

4 Environmentally friendly

Based on the oil analysis results, the oil change intervals of your machines and vehicles can be extended. This way we can ensure less fuel and oil consumption, less harmful emissions, less wear and less environmental impact.



5 Added value

The Alpha Maintenance Systems philosophy of entering into long-term partnerships with customers offers added value in the form of clear communication, ongoing technical support, objective advice and a constructive relationship.



Oil analysis program	Application	Quantity of sample	Tests to be carried out
MOB1	Condition monitoring of used oil in stationary or non-stationary diesel and gasoline engines.	100 ml	Visco @ 100°C, fuel screening, water screening, water%, glycol, soot content CCD, ICP additive metals, ICP pollution metals, ICP wear metals, gas chromatography
MOB2	Condition monitoring of oil used in stationary and non stationary diesel and gasoline engines with extensive renewal intervals and marine engines running on heavy fuels.	100 ml	Visco @ 100°C, fuel screening, water screening, water%, glycol, soot content CCD, ICP additive metals, ICP pollution metals, ICP wear metals, TBN, gas chromatography, pH
MOB3	Condition monitoring of oil used in stationary and non stationary gas engines and in big diesel engines (> 100L of oil).	100 ml	Visco @ 40°C, Visco @ 100°C, fuel screening, water screening, water%, glycol, soot content CCD, ICP additive metals, ICP pollution metals, ICP wear metals, TBN, TAN, Nitration FTIR, Sulfation FTIR, ipH
MOB4	Condition monitoring of oil used in gearboxes of mobile equipment.	100 ml	Visco @ 40°C or visco @ 100°C, water screening, water, visible particles, ferrous debris PQ, ICP additive metals, ICP pollution metals, ICP wear metals
IND1	Condition monitoring of oil used in industrial gearboxes.	100 ml	Visco @ 40°C or visco @ 100°C, water screening, water, visible particles, ferrous debris PQ, ICP additive metals, ICP pollution metals, ICP wear metals
IND2	Condition monitoring of oil in hydraulic systems without servo-valves, compressors and gear boxes.	100 ml	Visco @ 40°C, visco @ 100°C, water screening, water, visible particles, ICP additive metals, ICP pollution metals, ICP wear metals, TAN
IND2A	Condition monitoring of in use turbine oils, cool compressor oils and water sensible hydraulic oils.	100 ml	Visco @ 40°C, visco @ 100°C, water screening, water ppm (Karl Fisher), visible particles, ferrous debris PQ, ICP additive metals, ICP pollution metals, ICP wear metals, TAN
IND2B	Extended analyses program for transmission oil with microscopically investigation towards the type of wear.	100 ml	Visco @ 40°C or visco @ 100°C, water screening, water, visible particles, ferrous debris PQ, ICP additive metals, ICP pollution metals, ICP wear metals, TAN, microscopy + photo
IND3	Condition monitoring oil from hydraulic systems with servo valves including particle counting, oxidation, color, etc.	200 ml	Visco @ 40°C or visco @ 100°C, water screening, water, visible particles, ICP additive metals, ICP pollution metals, ICP wear metals, particle counting ISO/NAS, color, TAN
IND3A	Extended analyses program for hydraulic oils with particle counting and microscopically investigation towards the type of wear.	200 ml	Visco @ 40°C or visco @ 100°C, water screening, water, visible particles, ferrous debris PQ, ICP additive metals, ICP pollution metals, ICP wear metals, TAN, microscopy + foto, particle counting ISO/NAS, color
IND4	Condition monitoring soluble cutting fluids.	100 ml	Bacteria, yeasts, pH, refraction index, stability, corrosion test
IND4A	Extended analyses program for soluble cutting fluids.	100 ml	Bacteria, yeasts, pH, refraction index, stability, corrosion test, chlorides, nitrates, sulfates, hardness, conductivity
FO	Analyses of a fresh oil.	100 ml	Visco @ 40°C, visco @ 100°C, viscosity index, water screening, water%, visible particles, ICP additive metals, ICP pollution metals
FILTR	Analysis of the residue in a filter.	Filter	Water% , soot content CCD, ferrous debris PQ, ICP additive metals, ICP pollution metals, ICP wear metals, microscopy + photo
COOL	Condition monitoring of antifreeze.	100 ml	Visible particles, ICP additive metals, ICP pollution metals, ICP wear metals, refraction index, pH, reserve alkalinity
INS	Extended analyses program concerning expertise.	100 ml	Visco @ 40°C, visco @ 100°C, viscosity index, fuel screening, water screening, dispersion CCD, detergency CCD, water ppm (Karl Fisher), glycol, visible particles, soot content, ferrous debris PQ, nitration FTIR, oxidation FTIR, sulfation FTIR, ICP additive metals, ICP pollution metals, ICP wear metals, microscopy + photo, sugar, setaflash
GREASE	Analysis of a grease sample.	Min. 5 gram	Water%, ferrous debris PQ, ICP additive metals, ICP pollution metals, ICP wear metals
HT	Condition monitoring of a thermal oil.	300 ml	Visco @ 40°C, water%, visible particles, solids mg/l, ICP additive metals, ICP pollution metals, ICP wear metals, COC or PMCC, TAN
TRANSF	Analysis of transformer oil.	1000 ml	Visco @ 40°C, water ppm (Karl Fisher), visible particles, solids mg/l, dielectric strength, color, TAN