

# Lab Advisor Alert

– Overblik over vores testpakker

Vores testpakker er tilpasset efter, hvilken smørelolie og hvilket system, der skal analyseres. I tabellen til højre ser du, hvilke analyser der indgår i de respektive testpakker.

Test	Method	Unit	Engine (E)	Gas engine (S)	Industry (H)	Gear (G)	Heat transfer (D)	Coolant (6)	Wind power (WG)	HFC Fluid (HW)	Turbine (B)	Industry (H+ MPC)
Acid number, TAN	IP 177 / ASTM D664	mg KOH/g		•		•					•	
Air release at 50 °C	ASTM D3427	Minutes									•	
Appearance	In-house	Grading: 10–80			•	•		•	•	•	•	•
Base number, TBN	IP 276 / ASTM D2896	mg KOH/g	•	•								
Biodiesel	ASTM D7593	%	•									
Chlorine, ICP	ASTM D5185	ppm		•								
Conradson Carbon Residue (Micro Method)	ASTM D4530	wt %					•					
Elemental analysis, ICP	ASTM D5185	ppm (mg/kg)	•	•	•	•	•	•	•	•	•	•
Ferrous debris	In-house: PQ	–			•	•			•	•	•	•
Flash point	In-house: Hot plate	°C	•									
Flash point	ASTM D6450	°C					•					
Foaming characteristics, seq I	IP146	ml									•	
Freezing point	In-house	°C						•				
Fuel	ASTM D7593	%	•									
Glycol content	Calculated by refractive index	%						•				
Glycol, %	In-house	%	•	•								
Initial pH, IpH	IP 177 / ASTM D664	–		•								
Neutralization number	IP 139 / ASTM D974	mg KOH/g			•		•		•			•
Nitration	DIN 51453 / JOAP / ASTM E2412	Abs/cm	•	•								
Oil condition index, OCI	In-house	Scale 0–40	•	•								
Oxidation	DIN 51453 / JOAP / ASTM E2412	Abs/cm	•	•								
Oxidation stability (RPVOT)	ASTM D2272	Minutes									•	
Particle count (38, 50 µm)	ASTM D7647	No.							•			
Particle count (4, 6, 14 µm)	ISO 4406	ISO Code & No.			•				•	•	•	•
Particles, overall SAE AS4059 code	ASTM D7647	SAE value			•				•		•	•
pH	In-house	–						•		•		
Refractive index	ASTM D1218	–						•				
Reserve alkalinity	ASTM D1121	ml 0.1M HCl						•		•		
RULER (% rel ref), amines	ASTM D6971	% rel ref									•	
RULER (% rel ref), hindered phenols	ASTM D6971	% rel ref									•	
Soot	ASTM E2414	wt %	•	•								
Varnish potential (MPC)	ASTM D7843	Grading: 0–60									•	•
Water content	In-house: Crackle/carbide	%	•	•			•					
Water content	ASTM D6304	ppm			•	•			•		•	•
Water content	ASTM D95	%								•		
Water separability at 54 °C	ASTM D1401	ml (min)									•	
Viscosity at 100 °C	ASTM D7279	mm <sup>2</sup> /s	•	•	•	•			•		•	•
Viscosity at 40 °C	ASTM D7279	mm <sup>2</sup> /s	•	•	•	•	•		•	•	•	•
Viscosity index, VI	ASTM D2270	–							•			

Alert oil sample analysis 100 ml

Alert Turbine sample analysis (require Turbine sample bottle)

Alert oil MPC, require MPC sample bottle (250 ml)