

ROUND-THE-CLOCK EXPERT DIAGNOSIS

FOR OPTIMISED PERFORMANCE

Access equipment-based insights from Shell industry experts to help reduce downtime, so you can focus on your business. Our preventative maintenance advice can help you achieve more go time*.

*Based on \$105 million reported customer savings from 2008-2018



HEALTH CHECK YOUR OIL AND EQUIPMENT

With comprehensive insights, you can:

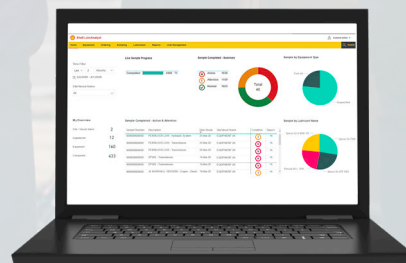
- Uncover potential failures before they occur
- Identify areas to optimise operations
- Access a trends-based profile of your equipment

BEYOND DATA:

Shell LubeAnalyst

provides access to **100+** different tests for high-detail oil condition monitoring insights to help you get the most out of every drop.

CUSTOMERS ALSO GET ACCESS TO:



- An easy-to-use digital platform which provides an up-to-date overview of lubricant performance in your equipment in one dashboard
- A mobile app for fast, accurate oil sample registration

EARLY FAILURE-MODE DETECTION FOR A RANGE OF INDUSTRIES, TAILORED TO YOUR EQUIPMENT:



**Detection of
machine wear**



**Oil degradation
and oxidation**



**Oil
cleanliness**



**Contamination
from water or
another lubricant**



**Retention of
oil viscosity**

RECOMMENDATIONS FROM SHELL EXPERTS

Identify recurrent issues and review actions based on sampling to optimise your equipment performance

Access to Shell experts can help you to:

- Choose the right test suite
- Set up optimum oil-test scheduling
- Provide coaching and training to optimise your equipment



A RANGE OF OPTIONS TO SUIT A RANGE OF NEEDS:

SHELL LUBEANALYST STANDARD (PRE-PAID)

Traffic light check for oil to assess if intervention is necessary. Kit includes:

- Bottles packed by 10 - 60 ml
- 10x pre-paid sample forms
- 10x pre-addressed envelopes
- Bottle stickers
- Pipe and Pump ordered separately

SHELL LUBEANALYST PLUS (PRE-PAID)

Deeper test insights and comparisons to industry benchmarks to help support maintenance planning and drive down total cost of ownership. Kit includes:

- Bottles packed by 10 - 60 ml
- 10x pre-paid sample forms
- 10x pre-addressed envelopes
- Bottle stickers
- Pipe and Pump ordered separately

SHELL LUBEANALYST PREMIUM (POST-PAID)

Troubleshooting for issues in high-value equipment. Close monitoring and specialised testing provide insights for specific applications.

- Bottles, Pipe and Pump ordered separately
- Bottle options available*:
 - 10 – 250 ml
 - 6 – 500 ml
 - 6 – 1000 ml

*Bottle kits will be shipped with sample forms, pre-addressed envelopes and bottle stickers.

ACCESSORIES

Product
number

Bottles packed by 10 - 60 ml	2002972
Bottles packed by 10 - 250 ml for Premium test suites	2002970
Bottles packed by 6 - 500 ml (plastic) for Premium test suites	2037396
Bottles packed by 6 - 1000 ml (plastic) for Premium test suites	2037397
Bottles packed by 6 - 2000 ml (plastic) for Premium test suites	2037398
Bottles packed by 6 - 500 ml (glass) for Premium test suites	2005348
Bottles packed by 6 - 1000 ml (aluminium) for Premium test suites	2005470
Tubing 25 m	2002973
Sampling Pump for 60 ml bottles	2037394
Pump Adaptor for larger bottle sizes (500 ml)	2037395



TEST SUITE KITS

ON & OFF HIGHWAY



	Transmissions Axels & Diffs Standard	Transmissions Axels & Diffs Plus	Transmissions Axels & Diffs Premium
Product number	2002272	2037380	2002277
Viscosity @ 100	•	•	•
Appearance	•	•	•
Elemental Analysis	•	•	•
Water Content (Aquatest)	•	•	•
Total Acid Number		•	•
PQ Index		•	•
Viscosity @ 40			•
ISO Particle Count			•

	Engines Standard	Engines Plus	Engines Premium
Product number	2002272	2037380	2002214
Viscosity @ 100	•	•	•
Elemental Analysis	•	•	•
Water Content (Aquatest)	•	•	•
Flash Point (Pass/Fail)	•	•	•
Demerit Point	•	•	•
Index of Contamination (IC)	•	•	•
Merit of Dispersancy (MD)	•	•	•
FTIR Oxidation, Nitration		•	•
FTIR Fuel, Soot		•	•
FTIR Glycol		•	•
Total Base Number ASTM D2896		•	
Total Base Number ASTM D4739			•
PQ Index			•

	Hydraulics Standard	Hydraulics Plus	Hydraulics Premium
Product number	2002272	2037380	2002297
Viscosity @ 40	•	•	•
Elemental Analysis	•	•	•
Water Content (Aquatest)	•	•	•
Viscosity @ 100		•	•
Viscosity Index		•	•
ISO Particle Count		•	•
Total Acid Number			•
PQ Index			•



TEST SUITE KITS

INDUSTRIAL - POWER



	Stationary & Power Diesel Engines Standard	Stationary & Power Diesel Engines Plus	Stationary & Power Diesel Engines Premium
Product number	2002273	2037381	2002278
Viscosity @ 100	•	•	•
Elemental Analysis	•	•	•
Water Content (Aquatest)	•	•	•
Flash Point (Pass/Fail)	•	•	•
Demerit Point	•	•	•
Index of Contamination (IC)	•	•	•
Merit of Dispersancy (MD)	•	•	•
Total Base Number ASTM D2896	•	•	•
FTIR Oxidation, Nitration		•	•
FTIR Fuel, Soot		•	•
Total Acid Number			•

	Turbines Standard	Turbines Plus	Turbines Premium
Product number	2002273	2037381	2002211
Viscosity @ 40	•	•	•
Appearance	•	•	•
Elemental Analysis	•	•	•
Water content (Karl Fischer)	•	•	•
Total Acid Number	•	•	•
ISO Particle Count		•	•
Colour			•
Milipore solids 0.8 Micron Membrane			•

	Gas engine Standard	Gas engine Plus	Gas engine Premium
Product number	2002273	2037381	2002198
Viscosity @ 100	•	•	•
Elemental Analysis	•	•	•
FTIR Oxidation, Nitration	•	•	•
Total Acid Number	•	•	•
Water content (Aquatest)	•		
Water content (Karl Fischer)		•	•
FTIR Fuel, Soot		•	•
Sulphur Content		•	•
Total Base Number ASTM D2896		•	•
Viscosity @ 40			•
IpH Jenbacher			•

INDUSTRIAL - GENERAL MANUFACTURING



	Compressors Standard	Compressors Plus	Compressors Premium
Product number	2002273	2037381	2002304
Viscosity @ 40	•	•	•
Appearance	•	•	•
Elemental Analysis	•	•	•
Water Content (Aquatest)	•	•	•
Total Acid Number	•	•	•
ISO Particle Count		•	•
FTIR Oxidation, Nitration			•

	Hydraulics Standard	Hydraulics Plus	Hydraulics Premium
Product number	2002273	2037381	2002217
Viscosity @ 40	•	•	•
Appearance	•	•	•
Elemental Analysis	•	•	•
Water Content (Aquatest)	•	•	•
Total Acid Number	•	•	•
ISO Particle Count		•	•
Colour			•
Milipore Solids 0.8 Micron Membrane			•

	Gearbox & Couplings Standard	Gearbox & Couplings Plus	Gearbox & Couplings Premium
Product number	2002273	2037381	2002218
Viscosity @ 40	•	•	•
Appearance	•	•	•
Elemental Analysis	•	•	•
Water Content (Aquatest)	•	•	•
Total Acid Number	•	•	•
ISO Particle Count		•	•
PQ Index		•	•
Demulsability			•

	Bearings & Circulating systems Standard	Bearings & Circulating systems Plus	Bearings & Circulating systems Premium
Product number	2002273	2037381	2037382
Viscosity @ 40	•	•	•
Appearance	•	•	•
Elemental Analysis	•	•	•
Water Content (Aquatest)	•	•	•
Total Acid Number	•	•	•
ISO Particle Count		•	•
Demulsability			•

ADDITIONAL POWER PREMIUM TEST SUITES

	Turbine Oil (3 Monthly)	Turbine Oil (6 Monthly)	Turbine Oil (12 Monthly)	Turbine Control Fluids	Turbine Aero Derivatives
Product number	2037386	2037387	2037388	400275	2002306
Viscosity @ 40	•	•	•	•	•
Appearance	•	•	•	•	•
Colour	•	•	•	•	•
Elemental Analysis	•	•	•	•	•
Water content (Karl Fischer)	•	•	•	•	•
Total Acid Number	•	•	•	•	•
Milipore Solids (0.8 Micron Membrane)	•	•	•	•	•
Conductivity				•	
Chlorine Content				•	
ISO Particle Count	•	•	•		•
FTIR oxidation, Nitration (ASTM E2412)	•	•	•		•
MPC Value	•	•	•		
DR Ferrography					•
Foaming, Sequence II		•	•		
Foaming Sequence I, II and III		•	•		
Demulsability			•		
RPVOT			•		
RULER		•	•		
Air Release		•	•		
Anti Rust			•		

	Turbo Compressors	Gas Engine (DIN)	Gas Engine Landfill
Product number	2002220	2037383	2002215
Appearance	•		
Milipore Solids (0.8 Micron Membrane)	•		
Viscosity @ 40	•	•	•
pH Jenbacher		•	•
Sulphur		•	•
Elemental Analysis	•	•	•
Water Content (Karl Fisher)	•	•	•
Total Acid Number	•	•	•
Viscosity @ 100		•	•
Total Base Number (ASTM D2896)		•	•
Chlorine Content			•
Colour	•		
FTIR oxidation, Nitration (DIN 51453)		•	
FTIR Soot, Fuel (DIN 51453)		•	
ISO Particle Count			
PQ Index			
FTIR oxidation, Nitration (ASTM E2412)			•
FTIR Soot, Fuel (ASTM E2412)			•

ADDITIONAL PREMIUM TEST SUITES (OTHER SECTORS)

	Refrigeration Compressor	Gas Fridge Compressor (PAG)	Refrigeration Compressor (Ammonia)	Heat Transfer & Seal Systems	Electrical & Transformer oils
	gen man	gen man	gen man	gen man	gen man
Product number	2002219	2037384	2002256	2002216	2002210
Viscosity @ 40				•	•
Appearance	•	•	•	•	•
Colour	•	•	•		
Elemental Analysis	•	•	•		
Water Content (Karl Fisher)	•	•	•	•	•
Total Acid Number (ASTM D664)	•	•		•	•
Total Base Number (ASTM D2896)			•		
Milipore Solids (5 Micron membrane)		•			
Milipore Solids (0.8 Micron Membrane)	•		•		
DR Ferrography (ISU)	•		•		
DR Ferrography (DL)	•		•		
DR Ferrography (DS)	•		•		
Viscosity at 40C (DeGas)	•	•	•		
Flash Point				•	
Breakdown Voltage					•

	Fire Res Hydr HFB & HFC	Grease Lubricated Bearings	Industrial Gears (PAG)	Diesel Fuel	Coolant Systems	Aviation Diesel Piston Engine Adv.	Aviation Piston Engine Advanced
	gen man/ steel	mining & gen man	mining & gen man	on/off highway	on/off highway	Aviation	Aviation
Product number	2002222	2002199	2002305	2002221	2002193	2002213	2002212
Appearance	•	•	•				
Viscosity @ 40	•		•				
Sulphur				•			
Elemental Analysis	•	•	•			•	•
Water Content (Karl Fisher)			•	•			
Total Acid Number	•		•			•	•
Colour			•				
Water Content (HFB)	•				•		
Water Content (HFC)	•						
Density (Fuel)				•			
Micro Organism				•			
Millipore Sludges (0.45 micron)				•			
Density (Lubricant)					•		
Elemental Spec (Coolants)					•		
Ph Determination					•		
Millipore Filtration			•				
Diesel Dilution (D 3524)						•	
Viscosity @ 100						•	•
Water Content (Aquatest)						•	•
Total Base Number						•	
Fuel Dilution (D322)							•

OPTIONAL TESTS	Volume ml	Product number		Volume ml	Product number
LA Optional Air Release	250	2002223	LA Optional Micro Organisms	10	2002227
LA Optional Aniline Point	100	2037390	LA Optional Millipore Filtration Teflon	40	2002294
LA Optional Anti Rusting (Fresh Water)	400	2002224	LA Optional Millipore Sludges (0.45µ)	40	2002298
LA Optional Anti Rusting (Salt Water)	400	2002257	LA Optional Millipore Sludges (0.8µ)	50	2002290
LA Optional Appearance + Colour	50	2002225	LA Optional Millipore Sludges (5µ)	40	2002291
LA Optional Asphaltenes	20	2002226	LA Optional MPC	50	2005471
LA Optional Blotter Spot	1	2002280	LA Optional Nitrite (go/no go)	40	2002239
LA Optional Buchholz Gas Analysis	300	2002190	LA Optional Noack Evaporation Loss	500	2037391
LA Optional Carbon Conradson	20	2002281	LA Optional Particle Counting ISO 4406 (New Version)	60	2002275
LA Optional CFPP	80	2002282			
LA Optional Chlorine Content	10	2002228	LA Optional Particle Count Visual	100	2002242
LA Optional Colour	50	2002229	LA Optional PCB Analysis	50	2002243
LA Optional Conductivity	50	2002258	LA Optional Penetration unworked	600g	2002244
LA Optional Demulsibility	100	2002283	LA Optional Penetration worked	600g	2002266
LA Optional Density Fuel	30	2002259	LA Optional pH	20	2002245
LA Optional Density Lubricant	30	2002230	LA Optional Power Factor	600	2002292
LA Optional Dielectric Strength (BV)	400	2002232	LA Optional RPVOT	200	2002246
LA Optional Diesel Dilution	20	2002231	LA Optional Ruler Test	60	2005472
LA Optional Ferrography (Analytical)	20	2002284	LA Optional SAN	40	2002247
LA Optional Filterability (With Water)	300	2002260	LA Optional Spectrometry (Additives)	10	2002300
LA Optional Filterability (Without Water)	300	2002262	LA Optional Spectrometry (Coolants)	10	2002265
LA Optional Filterability Index (With Water)	300	2002261	LA Optional Spectrometry (Grease)	10	2002276
LA Optional Filterability Index (Without Water)	300	2002263	LA Optional Spectrometry (Oils)	10	2002238
LA Optional Flash Point (Pass/Fail)	10	2002233	LA Optional Sulfur Content	10	2002248
LA Optional Flash Point (PMCC)	100	2002234	LA Optional Sulphur only (ICP Lubes option)	10	2037392
LA Optional Flash Point (Setflash)	50	2002286	LA Optional TAN (D 664)	10	2002249
LA Optional Foaming (Seq 1)	200	2002274	LA Optional TBN (D 2896)	10	2002250
LA Optional Foaming (Seq 1+2+3)	400	2002287	LA Optional TBN (D 2896) degaz	60	2002299
LA Optional FTIR	60	2002302	LA Optional TBN (D 4739)	10	2002251
LA Optional FTIR (Oxid & Nitr)	10	2002240	LA Optional Viscosity 100°C	10	2002252
LA Optional Fuel Dilution	30	2002235	LA Optional Viscosity 40°C	10	2002253
LA Optional Furanic Compounds	600	2002301	LA Optional Viscosity 40°C degaz	10	2002293
LA Optional Gas in Oil (9 gases)	300	2002288	LA Optional Viscosity Index	n/a	2002267
LA Optional Glycol	10	2002236	LA Optional Water Content (Aquatest)	10	2002268
LA Optional Insolubles N-Heptane	60	2002296	LA Optional Water Content (HFC)	10	2002254
LA Optional Ionol Content %	10	2002295	LA Optional Water Content (KF)	10	2002255
LA Optional IpH (Jenbacher)	20	2002289	LA Optional Water Separation	100	2002269
LA Optional IR Special	10	2002264	LA Optional Wear Index (PQ)	60	2002270
LA Optional IR Spectrum	10	2002237	LA Optional Wear Severity Index	20	2002285

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