

ANALYSIS REPORT

Attn: OVE MEJLHOLM
 DANSK VINDENERGI
 BRÆNSKOVVEJ 15
 9382 TYLSTRUP
 DENMARK

Make: MICON	Serial No: SONDERBY 2
Model: M530	Compartment: GEAR

Sample No: 3421862	Customer No: N50844	Sampled: 08-Dec-2009	System Volume:
System ID: 1714080	Machine Hrs: Not Given	Received: 21-Dec-2009	Oil Brand: TRIBOL 1710

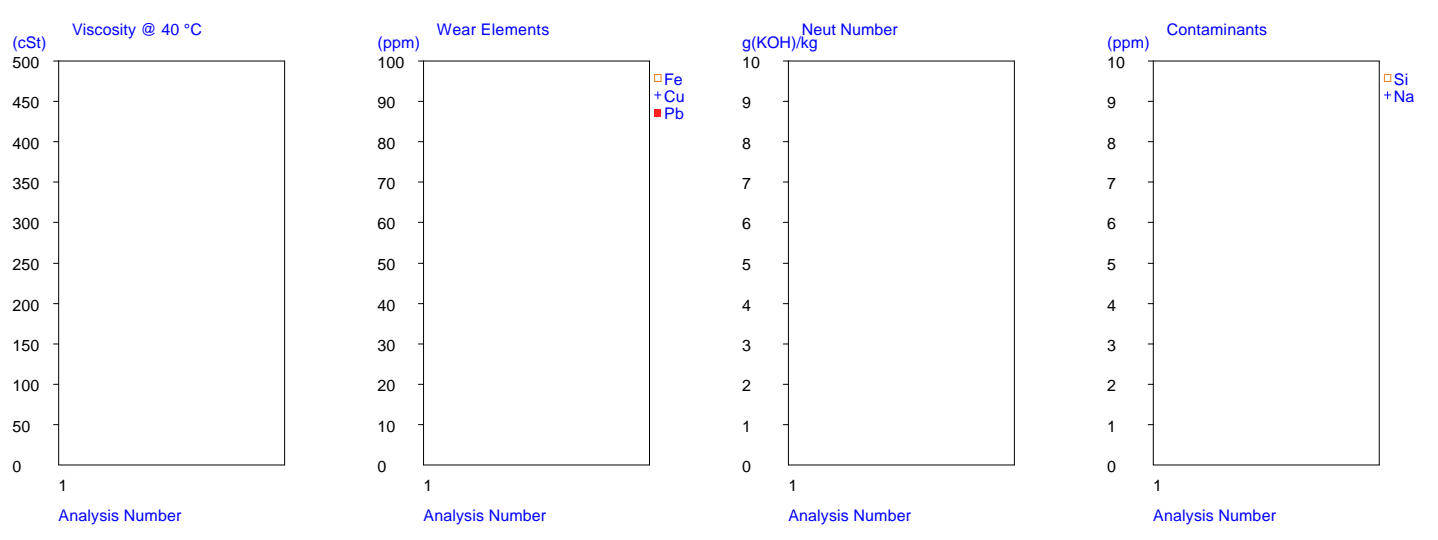
Diagnosis - Analyseresultatet på prøven viser:
 Forurenet med vand. Synlig forurening tilstede. Unormal slitage påvist.



Sample No	Sample Date	Age of Oil	Oil Condition													Additive Elements (ppm - ICP)									
			kV40 Houllon	Appearance	Neut IP139	Water PPM	FDebris PQ									Ba	Ca	Mg	P	Zn					
3421862	08-Dec-2009	*	351.6	70	4.65	539	31														< 1	93	< 1	1511	877

Sample No	Sample Date	Age of Oil	Elemental Analysis - Contamination & Wear Metals (ppm - ICP)																	
			B	Na	Si	K	Li	Al	Cr	Cu	Fe	Pb	Sn	Mo	Ni	Ti	Ag	Mn	V	Oil Chg
3421862	08-Dec-2009	*	8	3	8	1	1	7	2	1	94	4	1	682	1	1	1	1	1	

Key : Normal Caution Serious



Explanation of symbols

Appearance	<i>All systems, except engine oils</i>	Definition of colours on the analysis report	Definition of codes
<i>Grading</i>			
10	Clear & light	Green Normal results	<i>N Normal</i>
20	Dark		<i>C Caution</i>
30	Cloudy	Yellow Slight discrepancy in the results	<i>S Serious</i>
40	Turbid		<i>G Good</i>
50	Emulsified	Red Such a discrepancy in the results that action must be evaluated	<i>M Moderate</i>
60	Free water		<i>P Poor</i>
70	Solid impurities		
80	Solid impurities & water		

Test	Method/Unit	Explanation
Elemental Analysis	ICP/ppm	Specifies the oil's content of metals. Indicates wear metals and impurities in the oil
Viscosity	Houillon/mm2/s, cSt	Specifies the oil's capacity to flow (thickness) at given temperature
Oil Condition Index, OCI	In-house/value scale 0-40	Indicates the condition of the oil with regard to soot, water and metals
Soot	IR/weight %	Shows the amount of soot in engine oils
Dispersancy	Blotter spot/G-M-P	Specifies the dispersancy of the engine oil
Fuel	GC/%	Measures fuel dilution in engine oils
Flash	Hotplate, PMC/°C	Specifies the flash point
TBN	IP 267/mg KOH/g	Shows the oil's residual content of base/alkali reserves that should neutralise acidic combustion products
TAN	IP 177/mg KOH/g	Specifies the oil's content of corrosive acids
Initial pH	IP 177/scale 0-14	Shows pH value, 7 is neutral
Neutralisation No	IP 139/mg KOH/g	Specifies how oxidised, degraded or polluted the oil is
Oxidation/Nitration	IR/A/0.1mm	Gives a measure of deterioration of the oil by reaction with air
Ferrous Debris	PQ/ value scale	A measure of the amount of magnetic particles in transmission oils
Water	Carbide, Karl Fisher/%,ppm	Specifies the oil's water content
Glycol	IR/N-C-S	Indicates the glycol content in the oil
ISO code	ISO 4406	Specifies the oil's particle content in various sizes
NAS	NAS 1638	Specifies the oil's particle content
Appearance	In-house/value scale 0-100	A visual assessment of the oil's appearance

Additive Elements (ppm – ICP)

Ba	Barium
Mg	Magnesium
Ca	Calcium
P	Phosphorus
Zn	Zinc
S	Sulphur

Contamination & Wear Metals (ppm – ICP)

Si	Silicon
Al	Aluminium
K	Potassium
B	Boron
Cu	Copper
Fe	Iron

Sn	Tin	Ti	Titanium
Ni	Nickel	Ag	Silver
Li	Lithium	V	Vanadium
Cr	Chrome	Na	Sodium
Mn	Manganese	Pb	Lead
Cd	Cadmium	Mo	Molybdenum

Please note that values of the test report are general and individual, OEMs may have other specific, not available limits. We would therefore advise that the results must be interpreted with care until a trend of development can be determined – e.g. after 3 to 4 assays.