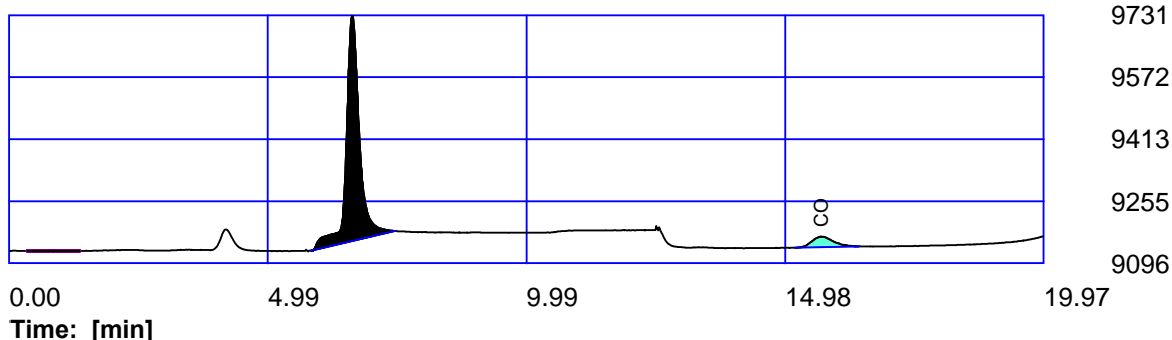


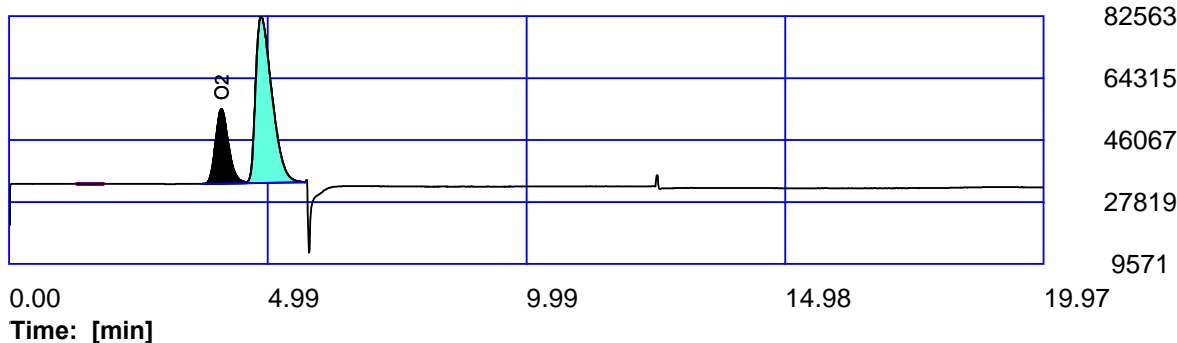
ANALYSE CHROMATOGRAPHIQUE DES GAZ DISSOUS DANS L'HUILE

Transformer data: TRP 24000-123/E; fac.no. 463082; ET0471
Instrument data: TOGA GC, full vacuum degassing, Energy Support
Test method: HRN EN 60567, IEC 60599, IEC 61181
Note: after all factory acceptance tests

FID channel: [μV]



TCD channel: [μV]



Component		Ref. value μl/l (ppm)	Meas. value μl/l (ppm)	Nom. value μl/l (ppm)	Exceed. nom. value %
Hydrogen	H ₂	-	-	15.0	-
Methane	CH ₄	-	-	5.0	-
Ethine	C ₂ H ₂	-	-	1.0	-
Ethene	C ₂ H ₄	-	-	2.0	-
Ethane	C ₂ H ₆	-	-	5.0	-
Carbon monoxide	CO	-	1.4	80.0	-
Carbon dioxide	CO ₂	-	16.3	200	-
Nitrogen	N ₂	-	3624	-	-
Oxygen	O ₂	-	1092	-	-
Total gas	TG	-	4733	-	-

INTERPRÉTATION OF TEST RESULTS: All gas concentrations are low and according with typical manufacturer's gas values acc. QA-RU-15-00-05

Tested by: Ivanka Radić, MSc.Chem.E.
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Approved by: Renata Jurišić, MSc.Chem.E.