Application Note AN-T-179

ASTM D664およびASTM D2896準拠による全酸価(TAN)と全塩基価(TBN)の完全自動滴定

Fast and reliable analysis of non- and fully synthetic motor oil used in the automotive industry by potentiometric titration

(Acid Number)(Base Number)(TAN)(TBN)TANTBN
TAN(ASTM D664)TBN(ASTM D2896)OMNIS S

dSolvotrodesOMNIS

SAE 5W/40 () SAE 30 /(TAN/TBN)

OMNIS dSolvotrode OMNIS S (1) OMNIS
(TAN)(TBN)/
TBN /(HClO4) 2

1. OMNISS OMNISOMNISdSolvotrodeTANTBN

12(TAN)(TBN)

1. ASTM D664(TAN)

(n = 6)	mg KOH/g	SD(rel) in %
SAE 5W/40	3.80	1.6
SAE 30	1.16	1.2

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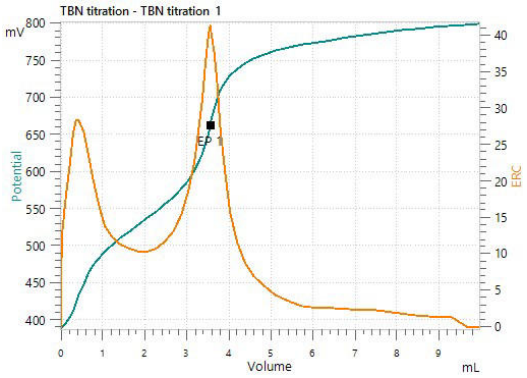
(n = 6)	mg KOH/g	SD(rel) in %
SAE 5W/40	3.80	1.6
SAE 30	1.16	1.2

2. ASTM D2896(TBN)

(n = 6)	mg KOH/g	SD(rel) in %
SAE 5W/40	9.05	0.4
SAE 30	1.01	1.6



2. SAE 5W/40 TBN

()(TAN)(TBN)dSolvotrode OMNIS OMNIS

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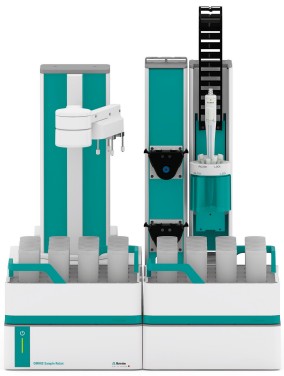

OMNIS Sample Robot S Pick and Place

Peristaltik(2)Pick&Place OMNIS Sample Robot S 2
120 mL 32
2 Pick&Place Sample Robot L OMNIS Sample Robot
4 Pick&Place 7 4

OMNIS Professional Titrator

(/) OMNIS Titrator 3S OMNIS Liquid Adapter Professional ()

-
- 4
- /
- : 5102050 mL
- 3S OMNIS Liquid Adapter:

:

- : Basic ()
- (/): Advanced ()
- 5 (/): Professional ()

OMNIS

/OMNIS5102050 mL

dSolvotrode

/ OMNIS pH

(TEABr)

dTrode OMNIS Titrator