

****CERTIFICATE of QUALITY****

Control No: 10413/2006

Draw certificate date:

29/08/06

Publish date:

16/02/07

For:
Packing, Tank
Reservoir: 15V00X
Batch:

2356

LOTOS RACE & RALLY

V

Lp.	PROPERTY	TEST METHOD	UNITS	RESULTS
1	Viscosity at 100 C	EN-ISO 3104:1999	mm ² /s	20.22
2	Pour Point	ASTM D 5950-02	deg C	-45
3	Flash Point COC	ASTM D 92-02b	deg C	240
4	Density, at 15 deg C	EN ISO 12185:1996	g/cm ³	0.8640
5	Viscosity Index	ASTM D 2270-04		175
6	Total Base Number (TBN)	ASTM D 2896-03	mg KOH/g	9.52
7	Viscosity MRV at -30 C	ASTM D 4684	mPa*s	13800
8	Viscosity CCS temp. -25 C	ASTM D 5293	mPa*s	4800
9	Copper corrosion	ASTM D 130-04	Class	1
10	Evaporation loss Noack	DIN 51581	% wt	4.7
11	Shear Stability -Visc.kinem.temp.100C, 30 Shear Cycles	IP 294 ASTM D 445-04	mm ² /s	16.20
12	Foaming -tendency at 25 deg C -tendency at 95 deg C -tendency at 25 deg C ex 95 deg C	ASTM D 892	ml	0 10 0
13	Stability -10 min. -at 25 deg C -at 95 deg C -at 25 deg C ex 95 deg C	ASTM D 892	ml	0 0 0

Certificate of Quality may be duplicated only as a whole.

Test were run in LOTOS Lab Sp. z o.o.

Product does meet requirements of the contract: WT 71/05 wyd.2

Confirm certificate - name: :P.Schneider

Publish certificate - name: :S.Gliwiński