

****CERTIFICATE OF QUALITY****

Control No: 258/2007

Draw certificate date:
Publish date:

03/02/07
16/02/07

For:
Packing, Tank
Reservoir: 15V026
Batch:

002

LOTOS CITY STANDARD 20W50 SF/CD

V

Lp.	PROPERTY	TEST METHOD	UNITS	RESULTS
1	Viscosity at 100 C	EN-ISO 3104:1999	mm ² /s	19.9
2	Pour Point	ASTM D 5950-02	deg C	-33
3	Flash Point COC	ASTM D 92-02b	deg C	248
4	Density, at 15 deg C	EN ISO 12185:1996	g/cm ³	0.8958
5	Visc.CCS at -15 C	ASTM D 5293	mPa*s	7130
6	Viscosity Index	ASTM D 2270-04		127
7	Sulfated Ash	ASTM D 874-00	% wt	1.24
8	Copper corrosion	ASTM D 130-04	Class	1
9	Water	ASTM D 95-99		none
10	Total Base Number (TBN)	ASTM D 2896-03	mg KOH/g	9.80
11	Foaming	ASTM D 892		
	-tendency at 25 deg C		ml	0
	-tendency at 95 deg C		ml	30
	-tendency at 25 deg C ex 95 deg C		ml	0
12	Stability -10 min.	ASTM D 892		
	-at 25 deg C		ml	0
	-at 95 deg C		ml	0
	-at 25 deg C ex 95 deg C		ml	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 115/04 wyd.2

Confirm certificate - name:

:J.Lendasz

Publish certificate - name:

:S.Gliwiński