

**\*\*CERTIFICATE of QUALITY\*\***

Control No: 618/2004

Draw certificate date: 01/04/04  
Publish date: 16/02/07

For:  
Packing, Tank  
Reservoir: 15V026  
Batch: 217

618

**OLEJ HYDRAULICZNY L-HV 100**

V

Lp.	PROPERTY	TEST METHOD	UNITS	RESULTS
1	Viscosity at 40 C	ASTM D 445-04	mm <sup>2</sup> /s	93.80
2	Pour Point	ASTM D 5950-02	deg C	-30
3	Flash Point COC	ASTM D 92-02b	deg C	262
4	Density, at 15 deg C	EN ISO 12185:1996	g/cm <sup>3</sup>	0.8828
5	Appearance	visual		Clear,
6	Appearance	visual		bright
7	Viscosity Index	ASTM D 2270-04		121
8	Water	ASTM D 95-99		none
9	Total Acid Number	ASTM D 974-02	mg KOH/g	1.26
10	Aniline point	ASTM D 611	deg C	109.2
11	Demulsibility at 82 deg C	ASTM D 1401	cm <sup>3</sup> (min)	41/39/0 9
12	Corrosion action Cu in 120 deg C 3 h	ASTM D 130-04	deg Cor.	1
13	Corrosion for Synthetic Sea Water	ASTM D 665		rust free
14	Foaming	ASTM D 892		
	-tendency at 25 deg C		ml	20
	-tendency at 95 deg C		ml	10
	-tendency at 25 deg C ex 95 deg C		ml	10
15	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
16	Four Ball Wear Test-Mean Wear Scar Diam	DIN 51350	mm	0.47

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 2/94 wyd.3

Confirm certificate - name: :R.Stachulski

Publish certificate - name: :S.Gliwiński