

# TEST REPORT



## Husqvarna 560XP

Test no.: 6106

OWNER OF THE TEST CERTIFICATE:

Manufacturer and applicant:

Husqvarna AB  
SE-561 82 Huskvarna  
[www.husqvarna.com](http://www.husqvarna.com)



## Test Results and Evaluations



### Chain saws

HUSQVARNA 560 XP (Standard model)

HUSQVARNA 560 XPG (with handle heating)

Tested with 38 cm guide bar and full chisel saw chain

Husqvarna AB; SE- 561 82 Huskvarna

Test item	Test result				Evaluation
<b>Function</b>	Chain saw in the power class up to 4 kW, for professional use				
<b>Engine power</b>					
$P_{\max} = 3.1 \text{ kW}$	Engine speed $10500 \text{ min}^{-1}$	Torque 3.2 Nm	Spec. fuel consumption 59 kW/l		<b>N.E.</b>
$Md_{\max}$ bei 2.5 kW	$7750 \text{ min}^{-1}$	3.5 Nm	48 kW/l		
<b>Fuel consumption</b>					
	max. power		max. torque		
absolute / specific	2.1 l/h	410 g/kWh	1.8 l/h	458 g/kWh	<b>+</b>
<b>Exhaust emissions</b>	Comply with type approval Level II of the guideline 2002/88/EG Approval number: e5*97/68SH3G3*2002/88*0133*00				<b>o</b>
<b>Chain lubrication</b>					
Oil consumption	at $5000 \text{ min}^{-1}$		at $9000 \text{ min}^{-1}$		
min / max	3 ml/min	8 ml/min	5 ml/min	13 ml/min	<b>o</b>
<b>Noise</b>					
	idling speed	full load speed	Full throttle no load		
at ear of the operator	82 dB(A)	105 dB(A)	109 dB(A)		<b>-</b>
Equivalent sound pressure level, according to DIN EN ISO 22868: 106 dB(A)					
Acoustic power, according to DIN EN ISO 22868: 116 dB(A)					
(average between: idling/ full load/ full throttle)					
<b>Vibration</b>					
	idling speed	full load speed	Full throttle no load		
front handle	2,8 m/s <sup>2</sup>	3,3 m/s <sup>2</sup>	1,6 m/s <sup>2</sup>		<b>o</b>
rear handle	3,9 m/s <sup>2</sup>	3,1 m/s <sup>2</sup>	2,3 m/s <sup>2</sup>		
Total equivalent vibration according to DIN EN ISO 22867					
front handle 2.7 m/s <sup>2</sup> ; rear handle 3.2 m/s <sup>2</sup>					

Chain brake				
Handguard activation	Actuating force	aver. braking time	max. braking time	N.E.
	31 N	0,07 s	0,09 s	
Inertia activation	horizontal acceleration		vertical acceleration	
	209 m/s²		407 m/s²	
Kickback				
Chain stop angle	32 °			N.E.
Weight				
Weight per unit power	With cutting equipment		Without cutting equipment	
	1,9 kg/kW		1,6 kg/kW	+
Operability / handling				
Control elements	Easy to reach and use			o
Primer	Easier starting using decompression valve and manual fuel pump			++
	A combined switch for engine Off/ON and CHOKE			+
Engine control	Electronic control automatically adjusts gas mix to suit different conditions (air pressure, air filter, fuel), no adjustment of carburettor necessary.			++
Chain assembly	difficult : external transmission unit			-
	drive sprocket cover fixed with two permanently fixed nuts (replaceable)			+
Chain tensioning	Simple, on the side			o
Fuel tank	Fuel tank cover can be opened without tools, easy to access			o
Maintenance				
Air filter and spark plug cover, casing	Simple, clips removable using combination wrench			o
Air filter	cleaning	Tool required for removing clip		+
	soiling	low		+
Reliability	The engine was damaged in one test machine due to flawed cylinder coating. This has been corrected as of calendar week 26, 2011			o
Operating manual	clear, well illustrated			+
Operator safety				
EG-type examination test	SMP FX002144			N.E.

Rating: ++ / + / o / - / --. / (o = Standard / NE= no evaluation, complies with tolerance value)

Threshold values and evaluation criteria are described in the “Information about the Utility Value Test” available from the DLG and the KWF.

## Description and technical data

### Engine

- Air-cooled single-cylinder two-stroke engine
- Engine displacement 59.8 cm<sup>3</sup>; bore 46 mm; stroke 36 mm
- Fuel: minimum octane number 90ROZ (mix ratio 1:50) or two stroke special fuel with “KWF-TEST“, manufacturers recommendation: Aspen
- Spark plug NGK CMR 6A
- Idling speed 2800 min<sup>-1</sup>; max. speed 14000 min<sup>-1</sup>

### Cutting attachment

- Clutch drum with external chain sprocket
- Guide bar with sprocket
- full chisel tooth chain
- pitch 3/8" guage 1.5 mm
- various guide bar lengths and chain types available for this saw model

### Main dimensions and weights (measured values)

Length	incl. cutting attachment 35 cm	795 mm
	engine unit without spiked bumper	445 mm
Width	engine unit	190 mm
	incl. handle	220 mm
Height	engine unit	220 mm
	with front hand guard	280 mm
Stump height	chain sprocket cover	25 mm
	handle	35 mm
Tank capacity	fuel	620 ml
	chain oil	330 ml
Net weight	incl. cutting attachment 38 cm	6.6 kg
	without cutting attachment	5.6 kg

# Test

## Test facilities

Kuratorium für Waldarbeit und Forsttechnik, Gross-Umstadt  
DLG-Testzentrum Technik & Betriebsmittel, Gross-Umstadt

## Field test

FBZ Rheinland Pfalz  
FA Lampertheim  
Revierfösterie Ehringshausen

## Authors

P. Müßig, KWF, Gross-Umstadt  
H. Albert, DLG, Gross-Umstadt

## FPA/DLG-Test Committee

"Equipment and tools"




Chairman: Sebastian Paar, FBZ Laubau

## FPA/DLG- approval until April 2017

In acknowledgment of the results of the test carried out by the KWF,  
the approved product is also entitled to carry the following test marks:



## Herausgeber

	DLG-Testzentrum Technik & Betriebsmittel Max-Eyth-Weg 1 D-64823 Gross-Umstadt	Telephone: +49 069/24788-652 Fax: +49 069/24788/110 E-mail: <a href="mailto:J.Albert@dlg.org">J.Albert@dlg.org</a> Internet: <a href="http://www.dlg-test.de">www.dlg-test.de</a>
	ENTAM European Network for Testing of Agricultural Machines c/o ENAMA Via Venafro, 5 I-00159 Rome	Telephone: +39 06 40860030 Fax: +39 06 4076264 E-mail: <a href="mailto:inf@entam.com">inf@entam.com</a> Internet: <a href="http://www.entam.com">www.entam.com</a>
	Kuratorium für Waldarbeit und Forsttechnik e.V. Forest technology division (FPA) Spremlberger Strasse 1 D-64823 Gross-Umstadt	Telephone: +49 06078/785-0 Fax: +49 06078/785 50 E-mail: <a href="mailto:Muessig@kwf-online.de">Muessig@kwf-online.de</a> Internet: <a href="http://www.kwf-online.de">www.kwf-online.de</a>
This publication was supported by the Federal Ministry of Consumer Protection, Food and Agriculture and the State Forest Administrations		