

( ) , ( )

\*

( // : // : )

C° ( : : )

( rpm ) ( / / ) (

( )

/ C° :

:

)

(

( )

(Morris et al.,

2003; Sheehan et al., 1998)

(Zhang, 2002)

, ( )

( )

.(Yong et al., 2006)

/

/

BDI-80

.(Ghobadian et al., 2005)

n

GC

.(Zenouzi et al.,2007)

( ) Mohammadi et al.

/



BDI-80

( )

SPSS

( )

ASTM D6751

( )

.(Ghobadian et al., 2005)

( rpm )	( °C )	( % )	( rpm )	( rpm )	( ° )
(g)	(rpm)	(°C)	(	(	%
-	-	-	-	-	-
-	-	-	-	-	-
/	/	/	/	/	/
-	-	-	-	-	-

**ASTM D6751**

°C			ASTM D92
mm <sup>2</sup> /s	/	/ /	ASTM D445
°C			ASTM D2500
°C			ASTM D97
	/		ASTM D1500
	<b>a</b>		ASTM D130
<b>wt.</b>	/	/	ASTM D 874
<b>wt.</b>	/	/	ASTM D 5453

( )

( )

GC

CP9080 ( m\* / mm)

/ μm

Varian

CP3800

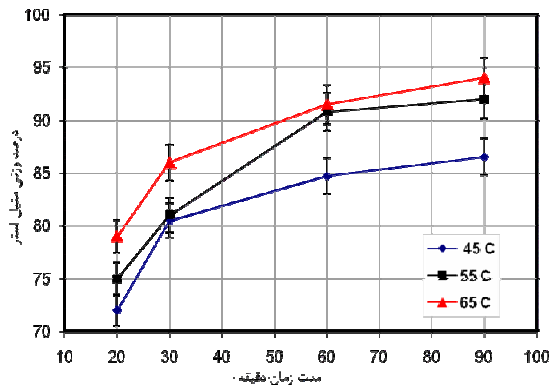
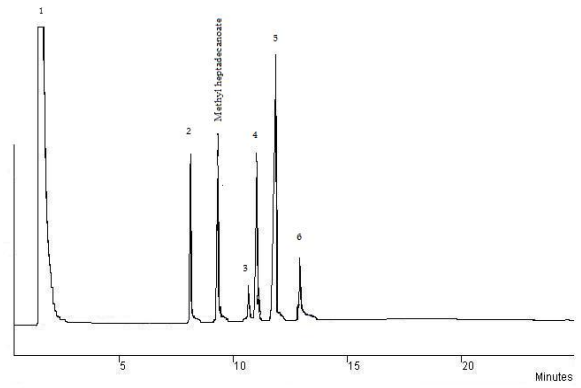
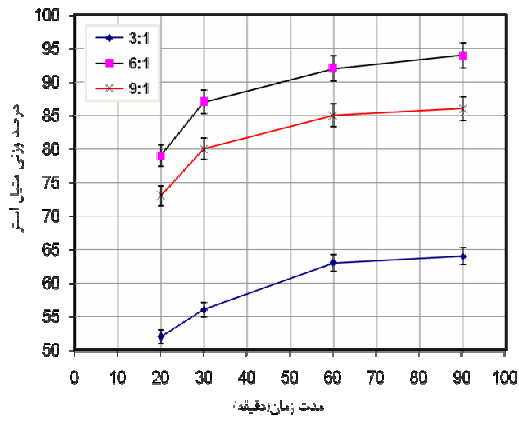
EN 14103

( )

-n

°C

( )



( )

Anwar et al.

( ) Karaosmanoglu et al. ( )

( ) Anwar et al.

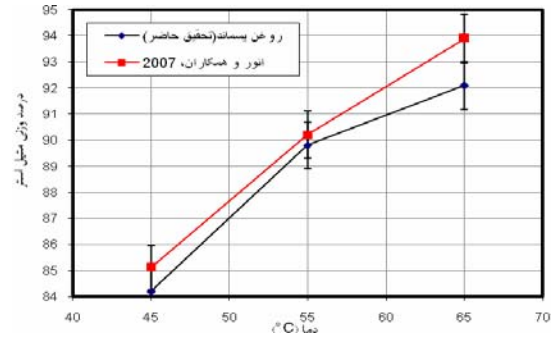
...

:

( )

( )

/



( )

( )

MS	SS
/ **	/
/	/

% \*\*

CSTR

(Gerpen et al., 2004)

/ D	/
/ C	/
/ B	/
A	
/ A	/
/ B	/

rpm

( )

Ma et al. ( ) Anwar et al.

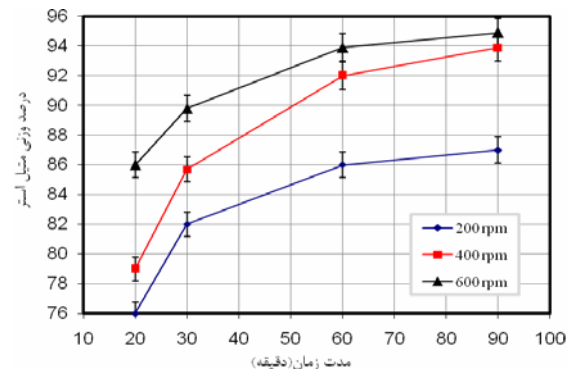
( ) Meher et al. ( )

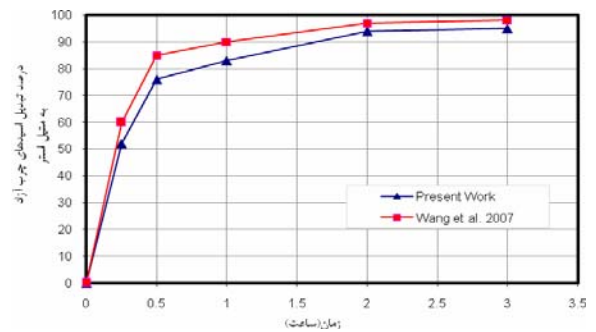
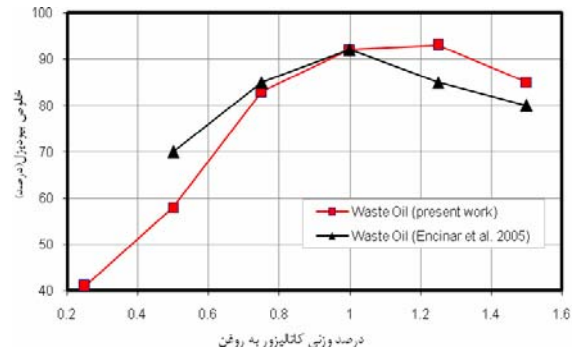
Encinar et al. ( ) Anwar et al.

( )

Encinar et al.

( )





/ °C :

) (:

Wang et al.

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