

012193-012202 - 0238

HEAVY OIL SEPARATOR MOTOR

SAB

# Test Report

Our reference

ML 25100

E. R. 6486

bk 7/48

Name AB Separator Stockholm		Type DA-7		Machine no 60652	
Description of machine Compound motor		Output 7	hp KW	Current 28	A
Manufacturer Lloyd's DNV Am. Bureau of Shipp.		Voltage 220	V	Speed 1450	rpm
Excitation V		A			

	Line	volts	amps	Field	Speed	
		volts	amps		rpm	
No-load		220	2,0	220	0,62	1410
Load		"	28	"	"	1330
Air gap measurement:						
per Main pole		1,32	1,30	1,31	1,32	
- Inter		"	3,86	3,89	3,82	3,80
Type test on duplicate machine no. 60605						
7 HP - 220 V - 1450 RPM						
load		220	1,45	220	0,52	1470
Load		"	27,3	"	"	1410
		"	34,5	"	"	"
		"	43,0	"	"	1412
		"	70,0	"	"	1375

Resistance between terminals ohms	Winding	At 19					°C
	Arm.	0,474					
	Comm. A1	0,0580					
	"-A2	0,0567					
	Series	0,0102					
	Shunt	332					

Temperature rise °C	Winding, part of machine	After continous test at 220 V 28 A 0,52 A exc.	1405 rpm	After	at	rpm
		Measured by thermometer	By increase in resistance	Measured by thermometer	By increase in resistance	A exc.
	Arm.	32,3				
	Comm.	26,6				
	Series	30,2				
	Shunt	23,5				
	Commutator	23,5				

Voltage tests	Exc. winding to frame	2000 V 1 min.	Arm., comm. and series winding to frame	2000 V 1 min.	Between exc. windings	V min.
	Exc. winding to frame	∞ megohms	Arm., comm. and series winding to frame	200 megohms	Between exc. windings	megohms
Resistance tests	Overload	rpm ( % incr.) min.	Excess voltage	V ( % incr.) min.	Excess current	A ( % incr.) min.
	Brushes	4 x 1 brushes, dim. 8 x 16x25 qual.	Morgan EC-12			

Laxå, Sweden,

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Margit Gorthon.

Lloyd's Register Foundation

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