

Bridgeport

Report No.: 93/2

## DEVELOPMENT REPORT

MACHINE TYPE:- ALL

Machine serial number:- N/A

COMPONENT/ASSEMBLY DESCRIPTION :-

N/A

PART NUMBER.

N/A

SERIAL NUMBER.

N/A

SUBJECT:-

Q8 HYDRAULIC OIL AS AN  
ALTERNATIVE TO MOBILE SHC 524  
USED CURRENTLY

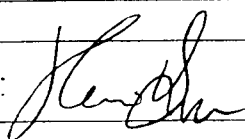
FROM:- M. SHAH

DEVELOPMENT DEPARTMENT.

### DISTRIBUTION (AS TICKED)

MANAGING DIRECTOR.		T. GIBSON	✓	
TECHNICAL DIRECTOR.	✓	TONY KLINAS	✓	
MANUFACTURING DIRECTOR.				
GROUP QUALITY MANAGER.	✓			
GROUP PURCHASING MANAGER.				
DEVELOPMENT MANAGER.	✓			
ELECTRICAL DESIGN MANAGER.				

Development Manager Approval:



Date: 30/4/92

## DEVELOPMENT REPORT 93/2

### SUBJECT

Testing of Q8 Schumann hydraulic oil as an alternative to Mobil hydraulic oil SHC524.

### SUMMARY

The oil supplied by Q8 was tested on BPC380 machine used on shopfloor and the testing carried out basically shows that the oil is totally compatible with the current one used.

### RESULTS

Initially the temperature of the current oil was checked, then the oil was drained from the tank but the system was not totally flushed. The machine tank was then filled with Q8 Schumann oil, ie mixing with the current oil.

The machine was allowed to run for 6 months and the temperature checked. Further evaluation was carried out after 2 years, and the result being as follows:

Tests carried out with SHC524 and Q8 Schumann oil.

- 1) Check the temperature of oil SHC524

Outside temp of tank	38°C
Temp of oil inside tank	48°C

- 2) Check the temperature of oil Schumann Q8 after 6 months period.

Outside temp of tank	37°C
Temp of oil inside tank	47°C

- 3) Re-check the temperature of oil after 1 year/2 years.

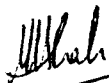
Outside temp of tank	38°C
Temp of oil inside tank	50°C

### CONCLUSION

From the tests carried out it is evident that there is no deterioration in the performance of the machine after filling the tank with Q8 Schumann oil. the oil supplied is compatible with the current type used (Mobil SHC524).

It is therefore recommended that the Q8 Schumann oil can be used as an alternative, as test results show.

Attached is the detailed technical data sheet for this oil from the supplier, also attached is the Bridgeport specification sheet.



Mukesh Shah  
Development Engineer

# PART SPECIFICATION SHEET

Part Number							
Description (to be entered on computer)	Q8	S	C	H	M	A	N
	OIL					P	S
						S	S

## Suppliers Details:

Name: KUWAIT PETROLEUM LUBRICANTS LIMITED  
 Address: KNOWSTHORPE GATE, CROSS GREEN INDUSTRIAL  
ESTATE, LEEDS LS9 0NP.

Telephone No: 0532-350555 Fax No: 0532-489053

Telex No: 557167 Contact Person: TONY KLIMAS

## Detailed description of the part as described in Suppliers' Catalogue

Suppliers' Part No. Q8 SCHUMANN SYNTHETIC COMPRESSOR  
OIL

Suppliers' Catalogue Page No: N/A

Suppliers' Catalogue Number: N/A

## Alternative Suppliers:

THE ABOVE DETAILS ARE FOR ALTERNATIVE  
 SUPPLIER FOR HYDRAULIC OIL MOBIL SHC524  
 CURRENTLY USED

## Additional and Non-Standard Features:

AS PER ATTACHED DATA SHEET.

Issue Level: <u>1</u>	ECN No. <u>—</u>	Date: <u>—</u>
<b><u>Bridgeport</u></b> Machines Limited, P.O. Box 22, Forest Road, Leicester. LE5 0FJ	Prepared by: <u>M. Shah.</u>	Date: <u>30/4/93.</u>
	Approved by:	Date: