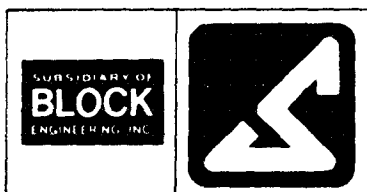


Lubricants
IR Grating Spectra
Volume 3
H 501 K - H 900 K



SADTLER RESEARCH LABORATORIES, INC.

**LUBRICANTS
GRATING SPECTRA**

***Volume 3
H501K - H900K***

The publication of the physical data of the Sadtler Standard Spectra and the Sadtler Commercial Spectra is intended to be descriptive. The samples of the materials represented have come generally from other sources than our own laboratories and frequently without the donors' knowledge of their part in this publication.

On the other hand every effort is made by Sadtler Research Laboratories, Inc. to assure the reliability of the published spectra. When improved data is available or errors are called to our attention we revise and reissue the proper replacement spectra.

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SADTLER COMMERCIAL INFRARED SPECTRA

LUBRICANTS

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This publication contains 900 infrared absorption spectra of commercially available compounds used in a variety of industrial and automotive applications. The types of products represented are corrosion preventives, base stocks, fluids, greases, lubricants, lubricating polymers, oils and soaps.

The first 500 spectra in the publication (Volumes 1 and 2) were determined on a Perkin-Elmer 521 grating spectrophotometer in the 4000 cm^{-1} to 200 cm^{-1} frequency range. The last 400 spectra were determined either on Perkin-Elmer 621 or on Digilab FTS-14 spectrophotometer in the spectra region 4000 cm^{-1} to 400 cm^{-1} . All the published spectra are presented on a linear transmittance vs. wave number format. The instrument used in determining the spectrum is noted on the bottom of the spectrum.

Each spectrum is labelled with the trade name of the product, the source of the sample and sample preparation technique. In some instances, descriptive information and physical data supplied by the manufacturer are also shown on the spectrum.

An alphabetical index of the products according to trade name is furnished with the collection.

We gratefully acknowledge the continued cooperation of manufacturers in supplying the product samples used in preparation of this spectra collection.

AAR NEW JOURNAL BOX OIL, ALL YEAR



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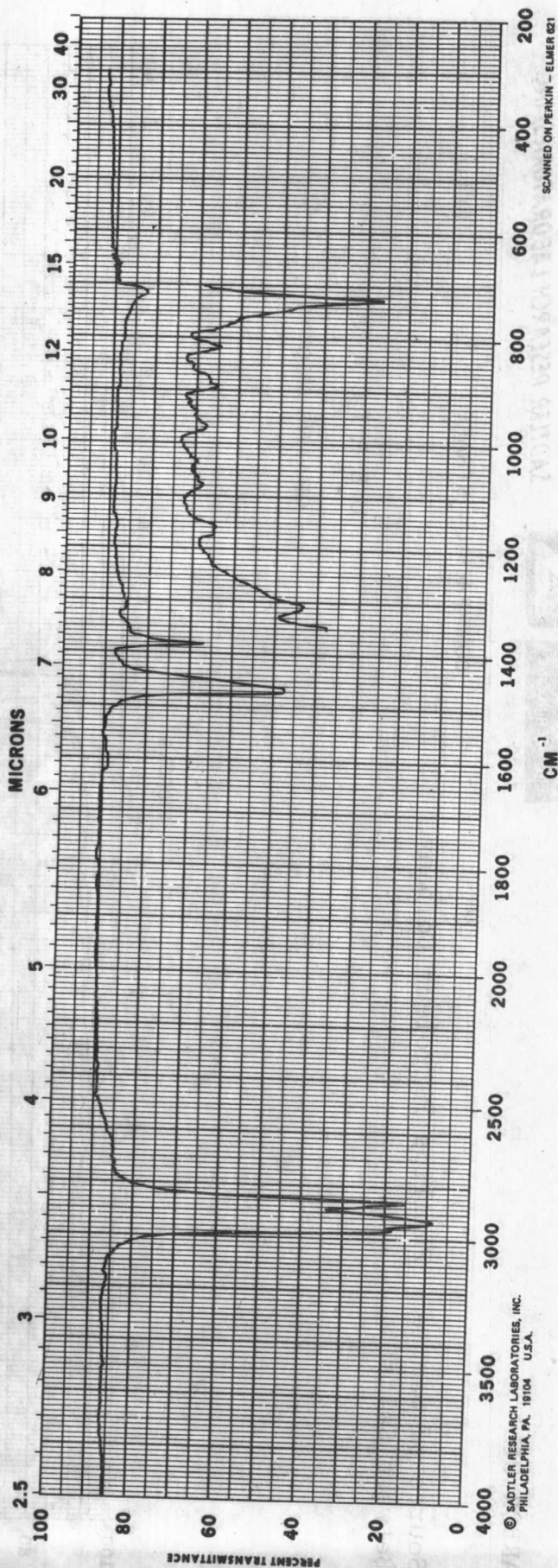
Source of Sample: Phillips Petroleum Company
Between Salts

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SCANNED ON PERKIN - ELMER 621

H 501K



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ARBOR OIL

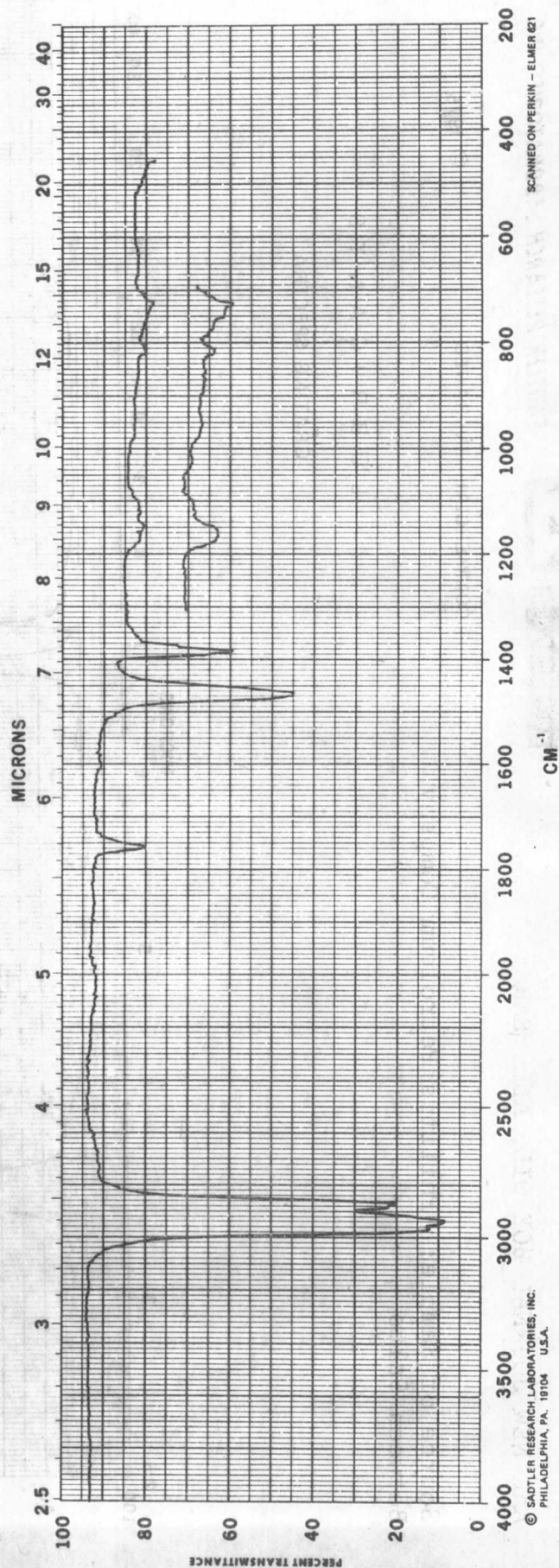
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CM⁻¹

H 502K



BALTIC OIL GRADE 60

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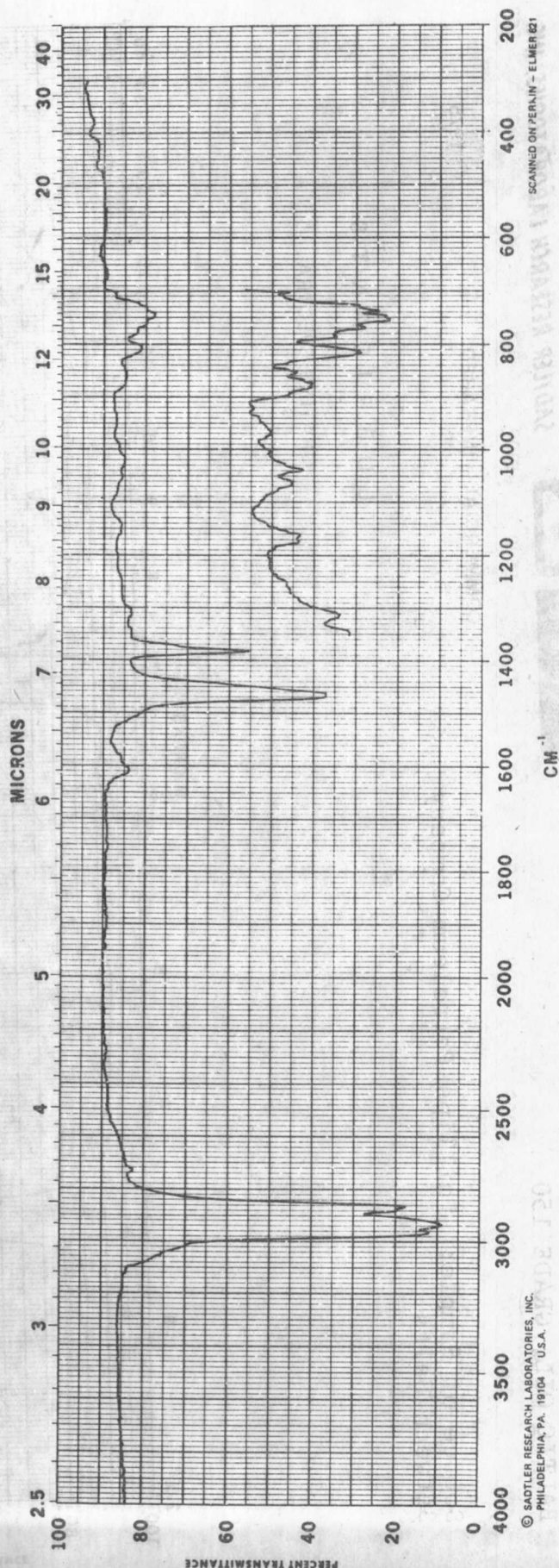
Source of Sample: Phillips Petroleum Company
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SCANNED ON PERM - ELMER 821

H 503K

BALTIC OIL, GRADE 150

Source of Sample: Phillips Petroleum Company
Between Salts



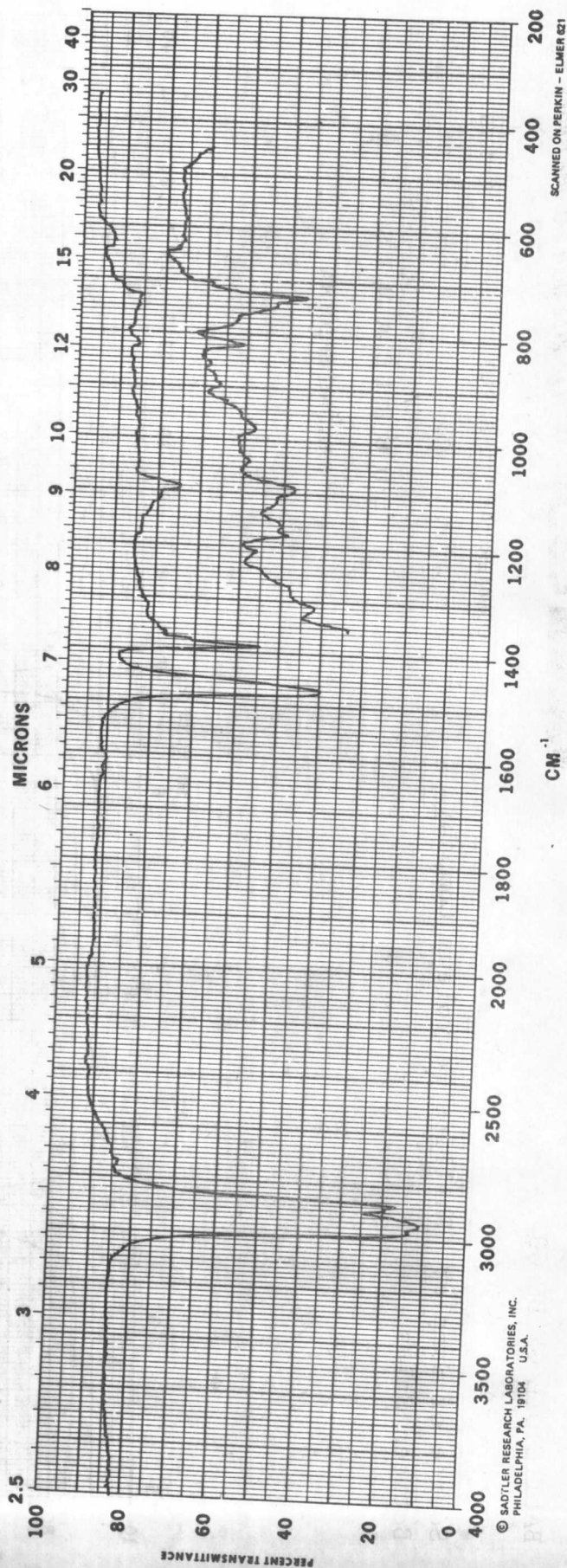
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SCANNED ON PERKIN - ELMER 521

H 504K



BALTIC OIL, GRADE 500

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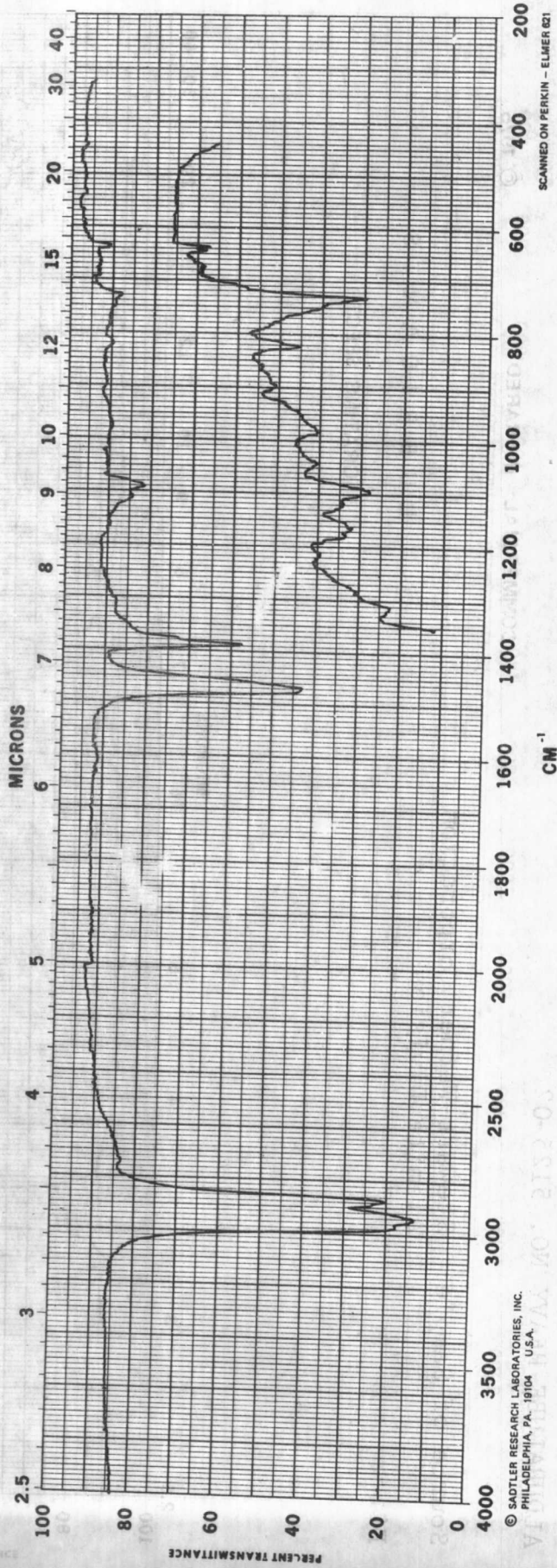
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SCANNED ON PERKIN - ELMER 821



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H 505K



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ALDURALUBE HEAVY NO. 5125-02

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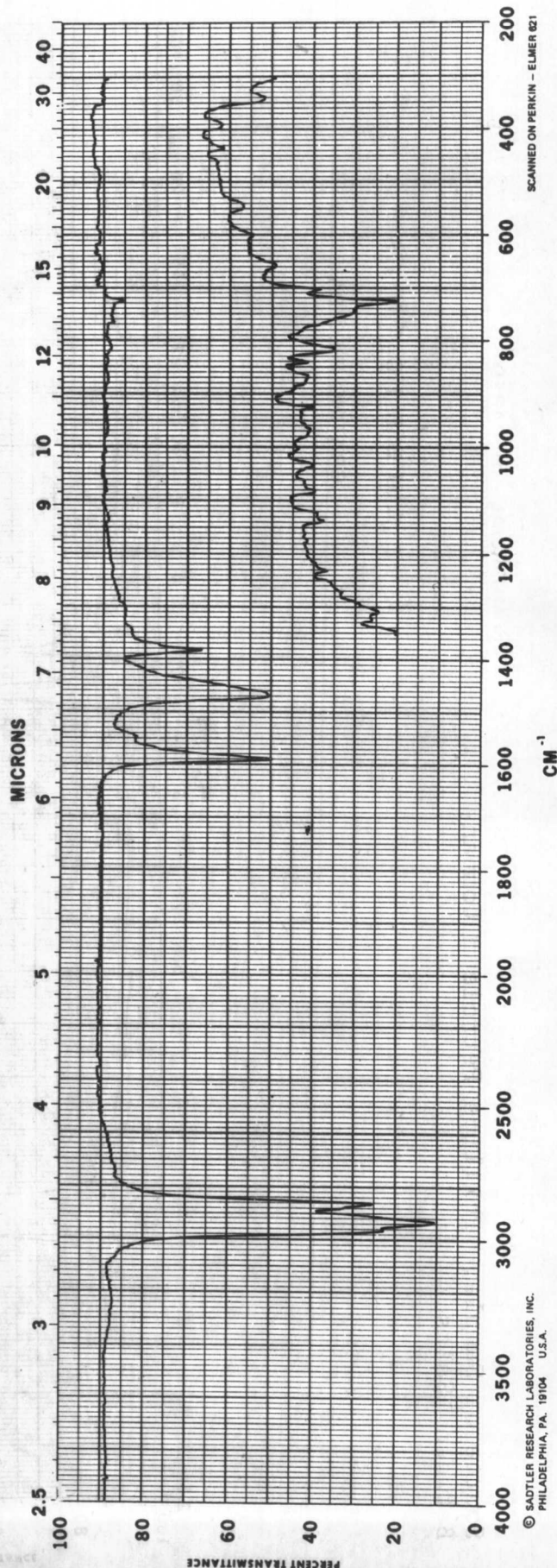
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Source of Sample: Stewart-Warner Corporation
Alemite Division

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GRATING SPECTRA

Fig. 1



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CM⁻¹

SCANNED ON PERKIN - ELMER 821

H 506K



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CONDOR LUBRICANT OIL, GRADE 465

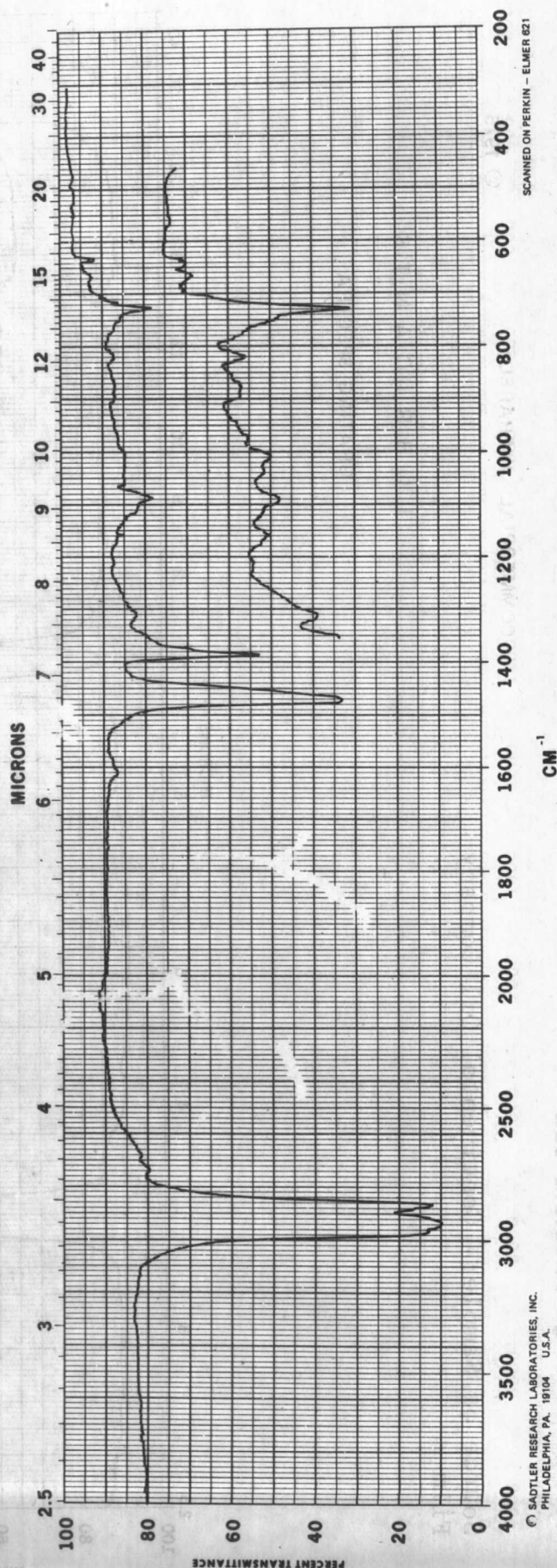
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CM

Source of Sample: Phillips Petroleum Company
Between Salts

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H 507K

CONOCO 80 PALE NEUTRAL OIL

Source of Sample: Continental Oil Company
Film



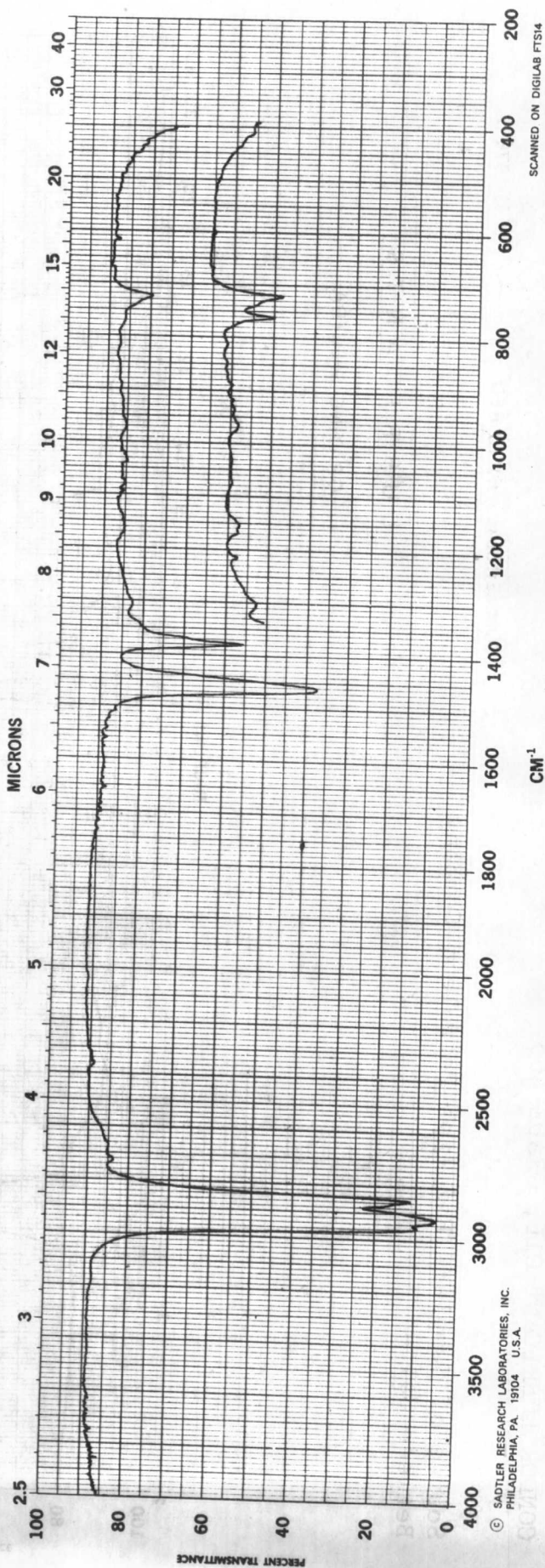
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GRATING SPECTRA



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H 508K

SCANNED ON DIGILAB FTS/4



CONOCO 100 PALE NEUTRAL OIL

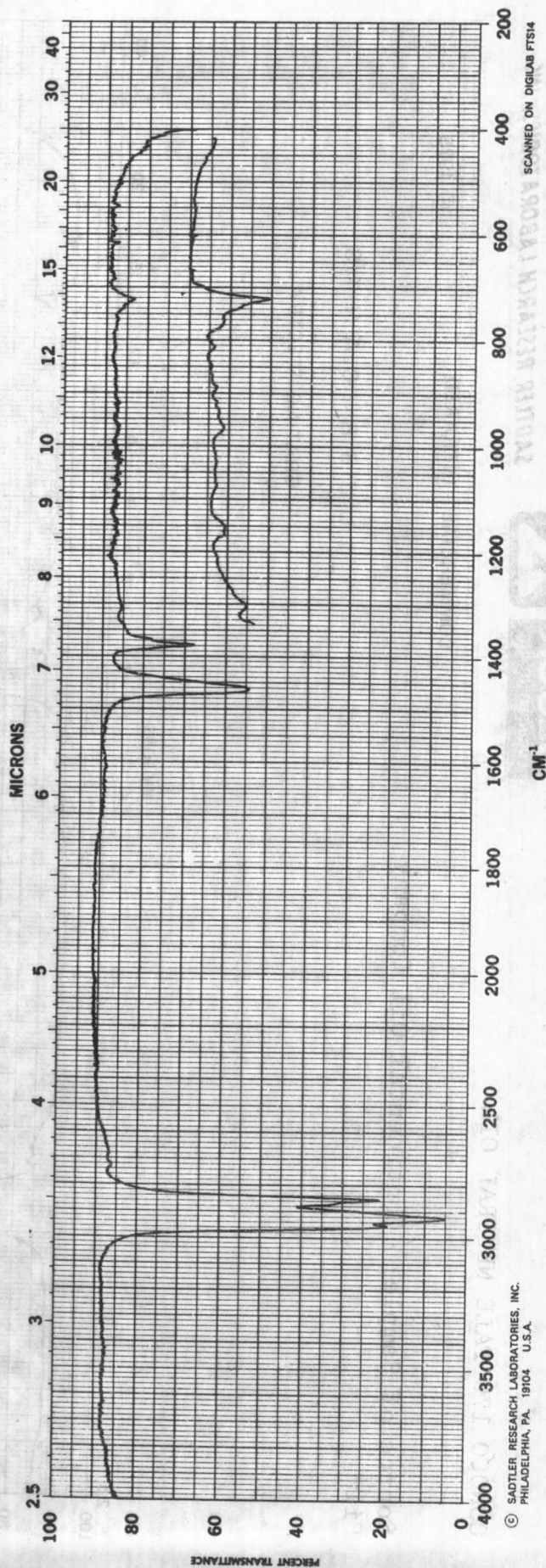
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Source of Sample: Continental Oil Company
Film

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H 509K



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CONOCO 170 PALE NEUTRAL OIL

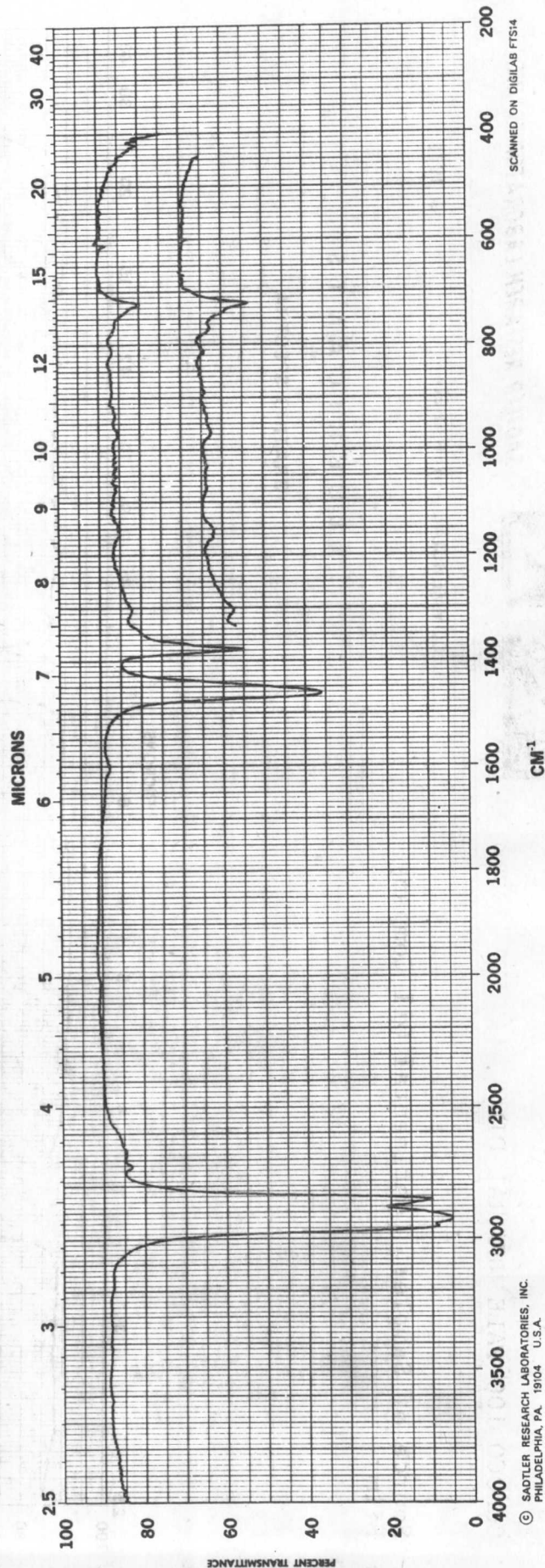
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Source of Sample: Continental Oil Company
Film

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GRATING SPECTRA



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SCANNED ON DIGILAB FT514

H 510K



CONOCO 400 PALE NEUTRAL OIL

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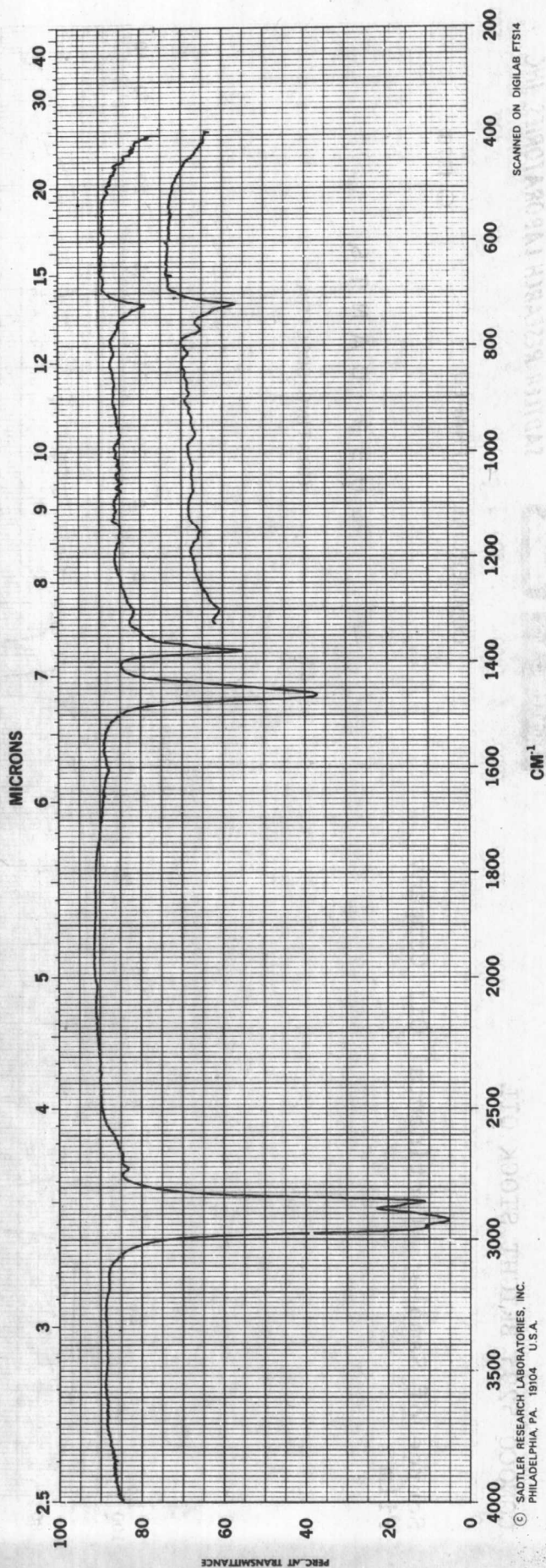
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Source of Sample: Continental Oil Company
Film

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GRATING SPECTRA



H 511K

CONOCO 5295 BRIGHT STOCK OIL

Source of Sample: Continental Oil Company
Film



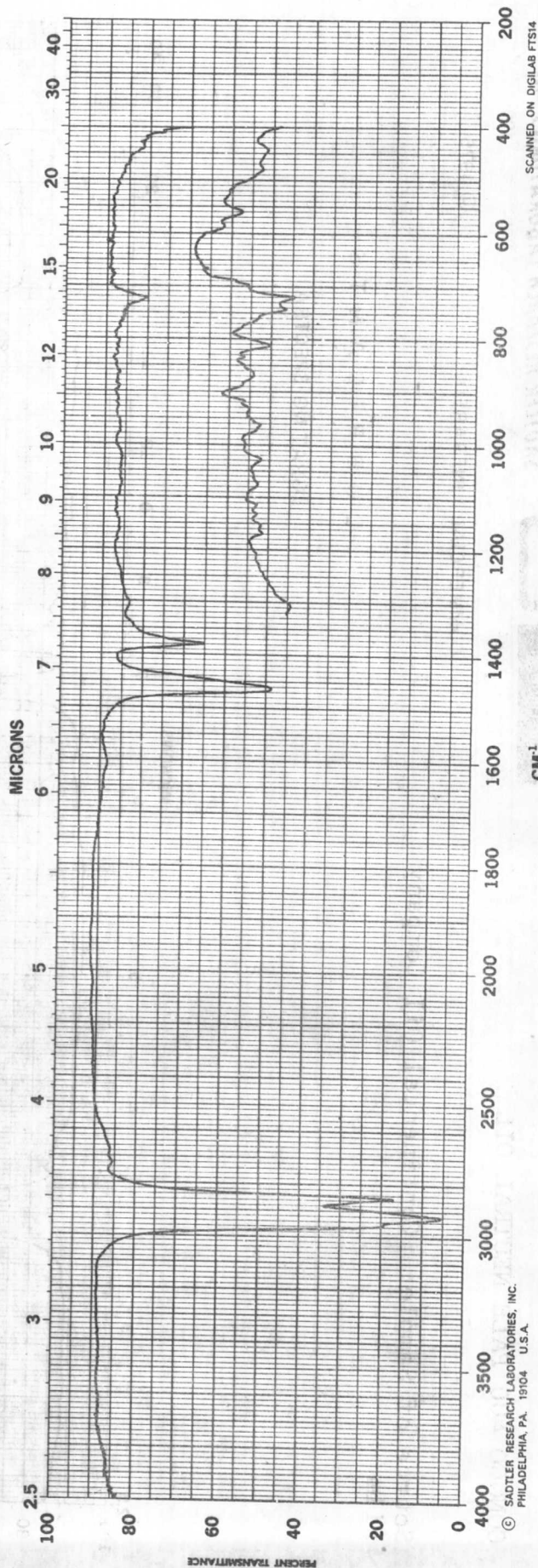
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GRATING SPECTRA



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SCANNED ON DIGILAB FTS14

H 512K

2 - 7/1/81



COTTON PICKER SPINDLE OIL

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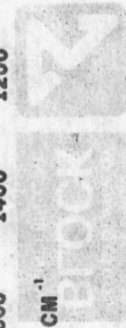
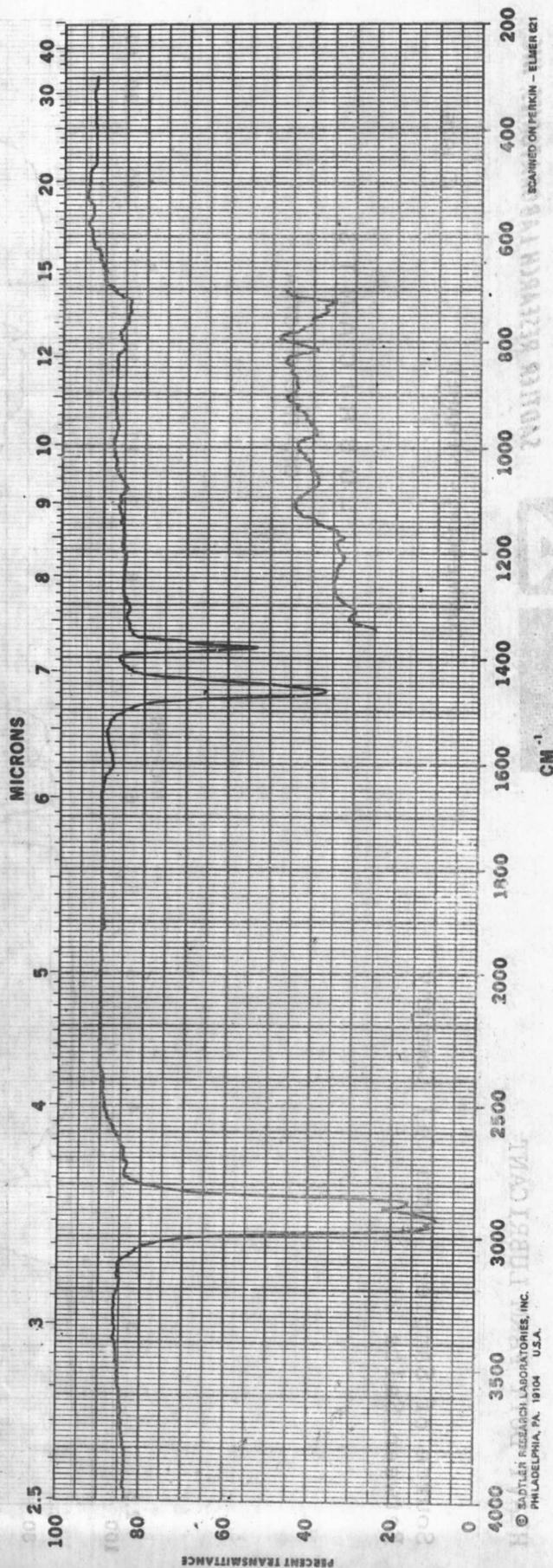
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Source of Sample: Phillips Petroleum Company
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GRATING SPECTRA



H 513K