# THE REPORT ON THE CENSUS OF PRODUCTION FOR 1958 

Part 24<br>LUBRICATING OILS AND GREASES

Presented by the Board of Trade to Parliament in pursuance of the
Statistics of Trade Act, 1947 ( 10 \& I| Geo. 6 Ch.39, Sec.7)

LONDON: HER MAJESTY'S STATIONERY OFFICE Fuller explanations are given in a separate booklet of introductory
Census of Production for 1958). CHANGES IN THE 1958 CENSUS

Some changes were introduced in the 1958
s, which affect the comparability between 1954 census, figs figures. 1 Returns in full detai1 were requi red only from
firms employing 25 or more persons, instead of, as previously, from firms employing 11 or more persons.
The
The
The coverage of firms' returns for 1958 was in
many cases rather wider than for 1954 . In both years the census was based on the estabii in hent,
comprising in most cases the whole of the premises corprising in most cases the whole of the premi ses
under the same ownership or managenent at atarticu-
lar address (e.g. a factory or mine): but offices, lar address e.g. a factory or mine), but offices,
warehouses, 1aboratories, etc. at addresses separate.
from the works were treated as part of the establ.
 iskent to include also, in all sections of thei returns, particulars relating to merchanting o
factoring, canteens operated by them, and othe factor 11 ary, activities, such as botyling, packing, and
and
the manufacture of containers for pack ing their own the manufacture of containers for packing their ow
products, whether or not these activities were carried on at the same address as the works, unless
TERMS USED IN THE
CAPITAL EXPENDITUR
TERMS USED IN TH The expenditure on new building work shown
excludes the costof and and existing bui dings
purchased; for plant, machinery and vehicles both purchased; for plant, machinery and vehicles bot
new and second-hand items are included. The value new and second-hand items are included. The value
is that charged to capital account during the year, including any transport and instal1ation cos ishments in Great Britain where production had no
in
stan Table 1
Characteristic products (See the description of the Employment
(i) Working proprietors

These include all persons regarded as self employed' for National Insurance purposes, and
members of their families who worked in the business without receiving fixed wages or salaries; but persons working less
excluded (ii) Employees
(ii)

Employees are classified under the $t$ wo main headings of (a) administrative, technical and
clerical employees and (b) operatives. The figures
 whether ful1-time or part-time employees. The
fi gures for 1958 include, but those for 1954 figures for 1958 include, but those for 195
exclude, persons engaged in merchanting or factor
ing, and canteen workers. ing, Administrative, technical and clerical em ployees include managers, superintendents, and works
foremen: research, experimental, development, foremen; research, experimental, development,
technical and design employees (other than opera technis. and desi gn employees (other than opera-
tives); draugtsmen and tracers; travellers; and
office (including works office) employees. tives; draughtmen and racers; travel Operatives include allo other classes of em-
ployes, that is, broadly speaking, all manual wage
earners. ${ }^{\text {They }}$ include those employed in and earners. They include those employed in and about
the factory or works; operatives employed in power
 1958, canteens; inspectors, viewers and similar
workers; maintenance workers and cleaners. Operatives engaged in outside work of erection
fitting etc. are also included, but outworkers (i, persons employed by the firm who worked on material
they were conducted by a separate company, or by
separate department with a separate set of accounts buiding and engineering maintenance department were treats sermilearly. Selling and transpor
departent wine treated in this way both for 1954
and and 1958. While the effect of including these
further ancilary activities was generally to
produce hi her figure for employment etc. produce higher figures for employment etc., the
reporting of separate figures for merchanted goods reporting of separate fi gures for merchanted goods
led to the exclusion of some firms who proved to be merchants with only minor productive activities. Changes made for 1958 in the instruction
governing the making of returns for two or mo governing the making of returns for two or more
establishments operated by the same firm peri tteed
combined returns to be made more freely than in combined returns to be made more freely than in
previous censuses. Combined returns were accepted
covering cest covering establis.shents in the same census industry
and sin and situated in the
Scotland or Wal es ).

The 1954 figures have been re-tabulated to correspond as closely as possibie to those for 1958
but because of the changes described above the
correspondence is not always exact. correspondence is not always exact.
CENSUS REPORTS
supplied by the firm in their own homes, etc.) ar
excluded
(iii) Total employment ployees and the number
outworkers are excluded.
enterphise
mean one term enterprise is used in this report to control as defined in the Companies Act, 1948. An enterprise normally consists either of a single
firm, or of a holding company together with its entries

The number of entries shown in Tables 4, 5 and a particular output or production heading were a particular output or production heading were
recorded. The nuber of entries is less than the corresponding number of estabhisiments to the extent
that combined returns were made covering more than one of the establ ishments concerned.

## EsTABLISHEN

In most cases an establishment comprises the management at a particular address (e.g. a factory or mine). Offices, warehouses, 1 aboratories and address from the works were treated as part of the address from
establi shment.
inte hmediate phoducts
For some industries figures are given showing
the total quantities made during the year of importthe total quantitiiis made during the year of import-
ant intermediate products, $i$ e. products which may be further processed in the establi shments in which they are produced, whe ther or not they are 21 so
sometimes sold. They include also soods produced
from somet materials supplied by other fi ms.
from
MATERIALS AND FUEL
Thases totals shown include the cost of all purchases of materials and components for use in
production, and of fuel (including oil, gas and electricity) for all purposes including heating, lighting and transport (mhere carried out by firms '
own staff included in the return); all packing


SYMBOLS USED The following symbole
reports: for not available
for not available
for nil ar negligible (less than half the
final digit shown)
value, defined as the amount charged to
whether on an ex-wrks
whether on an ex-works or delivered tasis, net of
any trade discounts, igents. conmissions. any trade discounts, agents' cormissions, al lowances
for returnable cases, purchase tax, etc.; the net for returnable cases, purchase tax, etc.; the net Goods charged on a delivered basis to customers
overseas, are included at the f.o. . . value. FFor
work done on commission or for the trade, the value overseas, are included at the f.o.b. value. For
work done on comisission or for the trade, the value
shown is the net anount charged. Wi tha few except-
s. shown is the net amount charged. Wi th a few except-
ions, receipts for business and other services are
not included.
To the extent that the fini shed products of one establishment constitute the materials purchased by
another, total figures of the value of sales (and of materials and
duplication.
STOCKS and work in procress
The values shown are the income tax values
of stocks of products on hand for sale, and of of stocks of products on hand for salax, and of
materials and fuel, at the beginning and end of the year of return. For 1958 , but not for 1954 ,
they include any stocks of goods held for merthey include any stocks of goods held for mer-
chanting or factoring. The value of work in chanting or factoring. The value of work in
progress at the two dates is also usually shown.
This excludes any This excludes any progress payments made to sub-
contractors, and no deduction is made on account of contractors, and no deductio
progress payments received.
TRANSPORT PAYMENTS
These represent the total amount paid or
edited during the year for both outwards transport credited during the year for both outwards transport
of fini shed goods sold and inwards transport of
materials and fuel materials and fuel purchased. They include payments to other firms, and to any separate transport
organisation of the same firm, not covered by the
return, but exclude the value of trasport return, but exclude the value of transport services
provided by the business covered by the return The
items included are fems included are payments for hired cartage and
for inwards and outwards carriage by all forms of
inland trats inland transport, that is railiage by all road haulage,
canals, coast-wise shipping, air, read Paul made for sea freight on goods sold to customers
overseas and on materis. overseas and on materials and fuel purchas ed from
overseas suppliers are exl fors wages and salaries
operatives and to administrative, technical and
clerical clerical employees. Payments to working proprietors, whether called salaries. or not, are
excluded. The values shown include all overtime excluded. The values shown include all overtime
payments, bonuses and commisions, whether paid
regularly or not and and no deduction is mate for payments, bonuses and commissions, whether paid
regularly or not, and no deduction is made for in-
come tax, insurances, contributory pensions, etc.
The come tax, insurances, contributory pensions, etc.
The value of any paments in kind, travel1ing
expenses, lodging allowances, etc. is excluded. Figures are also shown for average salaries etc. paid per head for the week ended 25 th october,
1958 . For staff paid month1y the 1958. For staff paid mon thly, the figures are
based on payments made in October, 1958. Where
payment payments related to periods other than a week or month, an appropriate proportion was returned.
Only those bonuses and commissions actually paid in only those bonuses and co
work given out
paid The figures shown represent the total amount paid for work done by other firms on materials
suppli ied to them, and al so by fi ms ' own establishments for which separate byrns were made. They do not include payments to indi vidual outworkers or
payments for business and other services.

ROUNDING OF FIGURES
The figures in the tables have, where necessary,
been rounded to the nearest final digit. There may, been rounded be apparent slight discrepancies between
therefore,
the sums of the the sums of the constituent items and the totals
shown.

The Report on the Census of Production for 1958

Part 24. LUBRICATING OILS AND GREASES

This report on the Lubricating Oils and Greases Industry relates to establishments engaged in the blending of mineral, animal or vegetable lubricating oils and greases. Blending at refineries is excluded. The industry corresponds to minimum list heading 263 of the second (1958) edition of the Standard Industrial Classification, which has been used for the first time in the 1958 Census.

This industry formed part of industry 20 in the reports on the last detailed Census of Production, for 1954. Animal oils and greases, raw bones and bone pieces and fish liver oil, formerly included in this industry, now form part of minimum list heading 275 (1) and are included in the report on the Vegetable and Animal Oils and Fats Industry (Part 33). Blending at refineries forms part of minimum list heading 262 and is included in the report on Mineral Oil Refining (Part 23)

For 1958, returns in full detail were required only from firms employing twenty-five or more persons and most of the tables in this report relate only to these larger firms. This is an important change from previous censuses when returns in full detail were required from firms employing eleven or more persons on productive work. Estimates for the industry as a whole are given in Table 1

The figures given for 1954 correspond as closely as possible to those collected for 1958 but the correspondence is not exact, especially in respect of the small firms who gave only limited information. Some other changes introduced in the 1958 Census also affect the comparability between 1954 and 1958 figures; these are explained in the notes prefacing this report

There were no establishments in this industry in Northern Ireland in 1954 or in 1958.

## ETHOD OF CLASSIFICATION

This industry is defined in terms of its 'principal products' which are those shown in Table 4. A census return was classified to this industry if the sales of the principal products of this industry accounted for a greater proportion of its output than the principal products of any other industry. Where, however, the application of this rule would have resulted in a change解 third mastry as for 1954 unless the output of principal products in the new to avoid dis continuities as the result of marginal changes of output between the two censuses. Sales of merchanted products and of non-specific items such as waste products, work done and canteen takings were not taken into account in classifying returns

Industry summary: United Kingdom. Estimates for all firms 24/3 Summary of returns received
Analysis by size of enterprise within the industry, 1958 24/5
Sales of principal products of the industry by larger firms including
sales by establishments classified to other industries
Sales of principal products of the industry by establishments
classified to other industries
Sales of other than principal products by larger firms in the industry $24 / 7$
Total make of intermediate products, 1958
Employment and salaries, etc. for the week ended October 25, 1958

## table 1

 Estimates for all firms (a)| TABLE 1 | Estimates for all firms (a) |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Unit | 1954 | 1958 |
| Number of enterprises |  | No. | . | 233 |
| Number of establishments |  | .. | .. | 265 |
|  | \{goods produced and work done | £.000 | 49,564 | 59.731 |
| Sales | $\{$ merchanted goods and canteen takings | . | .. | 9.367 |
| Purchases of materials and | fuel (b) | . | 29.398 | 41.359 |
| Products on hand | \{ change during year | . | + 132 | - 386 |
| for sale (b) | end of year | " | 2.094 | 4.369 |
| Work in progress | \{ change during year | * | + 4 | - 7 |
| Work in progress | end of year | - | 67 | 300 |
| Stocks of materials | \{ change during year | " | + 170 | - 468 |
|  | lat end of year | . | 3. 539 | 5.065 |
| Payments for work done on m | terials given out | - | 21 | 45 |
| Payments for transport |  | $\cdots$ | 1.533 | 2.387 |
| Net output |  | . | 18.917 | 24, 446 |
|  | $\int^{\text {operatives }}$ | Th. | 4.6 | 4.6 |
| $\underset{\text { Average number }}{\substack{\text { employed (c) } \\ \text { c) }}}$ | Oother employees | . | 4.5 | 4.7 |
|  | total. including morking proprietors | " | 9.0 | 9.4 |
| Wages and salaries | \{of operatives | £. 000 | 1.977 | 2.525 |
|  | lof other employees | . | 3.132 | 3.763 |
| Capital expenditure (d) |  |  |  |  |
| New building work |  | " | 172 | 451 |
| Plant and machinery | \{acquisitions | - | 279 | 620 |
|  | disposals | " | 6 | 3 |
| Vehicles | \{acquisitions | . | 527 | 813 |
|  | disposals | . | 179 | 266 |

(a) For 1958 , estimates in respect of returns from small firms and unsatisfactory $\begin{aligned} & \text { returns accounted } \\ & \text { for about } 19 \text { per cent. of the total finure in which they were incorporated. } \\ & \text { detailed sumary of the }\end{aligned}$
(b) dotailed returns received is given in Table 2 .
(b) Goods for merchanting and canteen supplies are included for 1958 but excluded for 1954 .
(c) Persons engaged in merchanting or factoring and canteen workers are included for 1958 bu
(d) Including expenditure in Great Britain for establishments not yet in production

|  | Unit | 1954 | 1958 |
| :---: | :---: | :---: | :---: |
| Number of enterprises | No. | 54 | 46 |
| Number of establishments | . | 82 | 73 |
| Sales $\quad$ goods produced and work done | £'000 | 39.902 | 48.087 |
| (merchanted goods and canteen takings | . | .. | 7,541 |
| Purchases of materials and fuel (b) | " | 23.667 | 33, 296 |
| Products on hand $\quad$ change during year | " | + 105 | - 310 |
| for sale (b) \{at end of year | " | 1.686 | 3. 517 |
| Work in progress $\quad$ change during year | * | + 4 | - |
| lat end of year | " | 54 | 242 |
| Stocks of materials and fuel (b) $\quad\left\{\begin{array}{l}\text { change during year } \\ \text { at end of year }\end{array}\right.$ | " | $\begin{array}{r} \\ +\quad 137 \\ \hline 8.849\end{array}$ | - 377 |
|  |  |  |  |
| Payments for work done on materials given out | . | 17 | 36 |
| Payments for transport | . | 1.234 | 1.922 |
| Net output | " | 15.229 | 19.680 |
| - operatives | No. | 3.686 | 3.739 |
| Average number employed (c) $\quad\left\{\begin{array}{l}\text { other employees }\end{array}\right.$ | . | 3.628 | 3.842 |
| total, including working proprietors | . | 7.316 | 7.582 |
| Net output per person employed | ¢ | 2.082 | 2.596 |
| Wages and salaries $\quad$ of operatives | \&. 000 | 1.601 | 2.045 |
| $f$ other employees | . | 2, 536 | 3.047 |
| Wages and salaries per head | $\varepsilon$ | 434 | 547 |
| Oother employees | " | 699 | 793 |
| Capital expenditure (d) |  |  |  |
| New building work | £'000 | 123 | 296 |
| Plant and machinery $\quad$ acquisitions | " | 224 | 499 |
| disposals | . | 5 | 2 |
| Vehicles ${ }^{\text {acquisitions }}$ | . | 425 | 632 |
| disposals | . | 144 | 214 |

[^0](b) Goods for merchanting and canteen supplies are included for 1958 but excluded for 1954 .
(c) Persons engaged in merchanting or factoring and canteen workers are included for 1958 b (d) Excluding expenditure at establishments not yet in productio

TABLE 4 Firms employing 25 or more persons: United Kingaom

|  | 1954 |  | 1958 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value | Enter- prises | Entries |
| Lubricating oils (excluding greases) <br> Consisting solely of mineral oils (including white oils) | Th.tons | £. 000 | Th. ton s | £'000 | Number | Number |
|  | 157 | 7.462 |  | 10.688 |  |  |
|  | ${ }_{\text {Th. } 9 \text { gal }}^{\text {29,803 }}$ | 8.315 | Th. 42.701 | 14.608 | 39 | 44 |
|  | Th. tons |  | Th.tons |  |  |  |
| Consisting of mineral oils compounded with other oils |  | 7.998 7.738 | $\underset{\substack{\text { Th. } \\ 14.914 .1 \\ 14.974}}{ }$ | $\begin{aligned} & 8.928 \\ & 2.545 \end{aligned}$ | ${ }^{34}$ | 36 |
| Lubricating greases |  |  |  |  |  |  |
|  | ${ }_{9}^{\text {ton }} 7$ | 361 | 13.9 | 621 | 13 | 13 |
| her | 23.3 | 1.378 | 18.8 | 1.411 | 27 | 28 |
| Unclassified lubricating oils and greases | 87.4 | 3.694 205 | 96.8 | 4. 323 <br> 208 | 8 | 9 |
| Other oils, mixed or not, used for lubricating purposes | 35.3 | 2. ${ }^{234} 45$ | 20.7 | $\begin{aligned} & 1.914 \\ & 1.509 \end{aligned}$ | 24 | ${ }^{27}$ |
| Products not elsemhere specified |  | 59 |  | 272 | 15 | 16 |
| Waste products |  | 3 |  | 78 | . | . |
| Work done for the trade or on commission |  | 40 |  | 196 | .. | . |
| Total |  | 40.238 |  | 47. 302 | .. | .. |
| Sales in other industries (see Table 5) |  | 1.812 |  | 1.189 | .. | .. |
| Principal products of this industry sold by establishments in the industry |  | 38.426 |  | 46.113 | 46 | $55(\mathrm{a})$ |

[^1]TABLE 5
Has exploying 25 or more persons: United Kingdom

|  | 1954 |  | 1958 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value | Entries | Principal <br> ndustries in which produced (a) |
|  | Th. tons | £ 000 | Th.tons | $\varepsilon^{\prime} 000$ | Number |  |
| Lubricating oils (excluding greases) consisting solely of mineral oils mineral oils compounded with other oils | $\begin{gathered} 5.1 \\ \substack{5 \mathrm{gh} . \mathrm{ga1} \\ \text { and }} \end{gathered}$ | $\begin{array}{r} 238 \\ 77 \end{array}$ | 4.6 | 364 | 5 | 32, 33 |
| Lubricating greases | $\begin{aligned} & \text { Th. } \mathrm{tons} \\ & 1.4 \end{aligned}$ | 67 |  | 121 | .. | 32 |
| Unclassified lubricating oils and greases | $\stackrel{0.9}{ }$ | $\begin{gathered} 46 \\ 205 \end{gathered}$ |  | 208 | .. | 32 |
| Other oils, mixed or not, used for lubricating purposes | .. | 1.179 | 6.6 | $\begin{aligned} & 363 \\ & 132 \end{aligned}$ | \} 10 | 15. 33, 36 |
| Total |  | 1,812 |  | 1.189 | .. |  |


|  | 1954 |  | 1958 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
|  | Th.tons | \&. 000 | Th.tons | \&. 000 |
| Chemical manufactures | $\stackrel{61}{ } \times$ | $\begin{aligned} & 217 \\ & { }_{151}^{217} \end{aligned}$ | $\begin{array}{r}324 \\ \hline\end{array}$ | 658 92 |
| Paint and painters sundries | . | 466 | - | 519 |
| Vegetable and animal oils and fats | . | 169 | - | 79 |
| Soap and detergents | - | 97 | $\cdots$ | 143 |
| Other goods | - | 377 (a) | . | 482 |
| Total value of goods sold without being subjected to any manufacturing process (merchanted or factored) | - | - | .. | 7.514 |
| Canteen takings |  | - |  | 26 |
| Total |  | .。 |  | 9. 514 |

[^2]|  | Males | Females | Total |
| :---: | :---: | :---: | :---: |
|  | Number | Number | Number |
| Working proprietors | 1 | - | 1 |
| Operatives | 3.178 | 587 | 3.765 |
| Administrative, technical and clerical omployeos | 2.700 | 1.210 | 3,910 |
| Total employees | 5, 878 | 1.797 | 7.675 |
| Average salaries, etc. paid per head for the week to administrative. technical and clerical employees | $\begin{gathered} \varepsilon \\ 19.2 \end{gathered}$ | ${ }_{7.5}^{\text {¢ }}$ | ¢ 15.5 |

## CENSUS OF PRODUCTION REPORTS FOR OTHER RECENT YEARS

The census reports for earlier years include some items which are not included in the Report on the Census of Production for 1958 . The most recent reports are 1 isted below, with an indication of any important items they contain which do not appear in the 1958 Reports. The data in all these earlier reports

Census of Production for 1951: Summary Tables Part I (R.M.S.O., 1956. Price 6s. net).
No important items which do not appear in the 1958 Reports.

Census of Production for 1951: Surmary Tables, Part II (H.M.S.O., 1956. Price os. net). Chamnels of sales, 1948
ayments for services. 1948
Shift working, 1951
Power equipment, 195
Prime movers, 191
Analysis of periods covered by census returns,
1948 and 1951.
The Report on the Censuses of Production for
The Report on the Censuses of Production for volumes. (These volumes are now out of
print.)
No impor items which do not appear in the 1958 Reports.

The Report on the Census of Production for 1954 Introductory Notes, Index of Products, and 154 booklets relating to individual industries
(H.M.S.O., 1956-59. Prices vary, usually from 1 s . 6 d . to 2 s . net for each book 1 et)


Census of Production for 1954: Surmary Tables Part I (H.M.S.O., 1958. Price 9s. net). Fuel purchased
Gas produced in certain industries
Electricity generated, purchased and sold
Materials purchased: i ron and steel; non-
ferrous metals; paint; plastics materials:
cotton and rayon, nylon, etc. textiles: timbe packing materials: replacement parts for plan etc. (In fo rmation about purchases of other
materials is given in The Report on the Censu
of Production for 1954.)

Census of Production for 1954: Summary Tables, Part II (H.M.S.O., 1959. Price 7s. net). Regional analyses of gross output, net outpu

Census of Production for 1954: Surmary Tables Part III (H.M.S.O., 1959. Price 8s. net) dustries in Scotlund and wales.

The Report on the Censuses of Production for 1955, 1956 and 1957. Introductory Notes for 1955, 1956 and 1957. Introductory Notes and
5 volumes (H.M.S.O., 1959. Prices 1s. 6d. to 3 s . 6 d . net according to size of volume No important items which do not appear in the
1958 Reports.
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[^0]:    (a) The following information relates to small firms (employing fewer than 25 persons) in this
    industry:

    $$
    \begin{aligned}
    & \text { Number of returns } \\
    & \text { Averace number of persons employed including } \\
    & \text { warking proprietors } \\
    & \text { Males } \\
    & \text { Females }
    \end{aligned}
    $$

[^1]:    (a) This figure represents the total number of returns made by larger firms in this industry, which is less than
    the total number of establishments shown in Table 2 on account of combined returns covering more than one establishment.

[^2]:    (a) Including work done for the Ministry of Food.

