

304178

TABLE 9-1

SUMMARY OF WHOLE OIL ANALYSIS

Date: 1986

Company: AMOCO AUSTRALIA

Sample: YOLLA 1, 1830-1835m DST 2, 5.30pm

PHYSICAL PROPERTY DATA

API Gravity nd	%Sulphur (w/w) nd	Viscosity (25°C) nd	Viscosity (60°C) nd	Pour Pt (°C) nd
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COMPOSITION BY CARBON NUMBER

Carbon Number	Rel. Wt %
1 - 3	0.20
4	1.06
5	2.52
6	6.70
7	13.47
8	16.87
9	10.92
10	7.31
11	5.96
12	6.17
13	4.54
14	5.33
15	3.60
16	2.74
17	3.49
18	1.60
19	1.39
20	1.23
21	0.98
22	0.93
23	0.71
24	0.61
25	0.49
26	0.39
27	0.30
28	0.18
29	0.14
30	0.11
31	0.05

COMPOSITION OF C4-C7 FRACTION

Compound	Rel. Wt %
A isobutane	1.21
B n-butane	3.24
C isopentane	4.31
D n-pentane	5.60
E 2,2-dimethylbutane	0.20
F cyclopentane	0.68
G 2,3-dimethylbutane	0.76
H 2-methylpentane	4.20
I 3-methylpentane	2.39
J n-hexane	8.12
K methylcyclopentane	4.78
L 2,4-dimethylpentane	0.49
M benzene	1.33
N cyclohexane	6.46
O 1,1-dimethylcyclopentane	0.87
P 2-methylhexane	2.90
Q 3-methylhexane	4.23
R 1 cis-3-dimethylcyclopentane	1.38
S 1 trans-3-dimethylcyclopentane	2.19
T 1 trans-2-dimethylcyclopentane	0.18
U n-heptane	10.78
V methylcyclohexane	23.03
W 1 cis-2-dimethylcyclopentane	0.60
X toluene	10.07

CALCULATED DATA - C12+ FRACTION

Pristane/Phytane	8.14
Pristane/n-C17	1.06
Phytane/n-C18	0.15
TMTD/Pristane	0.52
(C21+C22) / (C28+C29)	5.69

CALCULATED DATA - C4-C7 FRACTION

Paraffin Index I	1.90
Paraffin Index II	20.73
N/K (Maturity)	1.35
C/D (Maturity)	0.77
J/K (Maturity)	1.70
I/M (Water washing)	1.80
I/J (Biodegradation)	0.29

nd = no data
TMTD = Trimethyltridecane
is = Insufficient sample

Paraffin Index I = (P+Q)/(R+S+T)
Paraffin Index II = %U in all compounds N-V
bd1 = Below detection limit