

Table 1. Basic information of crude oils from the different basins

Sample	Location	Pr/Ph	C2920S/(20S +20R)	Saturate (%)	Aromatic (%)	Resin (%)	Asphaltene (%)
TK258	Tarim	0.90	0.51	27.6	22.2	27.1	23.1
XL4		0.91	0.49	22.1	5.4	66.1	6.4
TP17		0.84	0.57	37.7	6.3	52.2	3.8
HA902		0.89	0.54	41.5	12.0	43.0	3.5
S26	Ordos	1.51	0.47	75.8	7.5	12.7	4.0
LFP		1.22	0.59	46.8	5.3	44.1	3.9
CX07		0.43	0.41	42.1	7.0	51.1	2.0
CX0642	Qaidam	0.43	0.40	52.6	8.7	35.1	3.6
XZ15		3.24	0.52	65.8	4.5	29.4	0.3
LS76		2.33	0.55	80.2	11.5	5.5	2.8
FU128	Northern Gulf	3.49	0.59	76.9	8.2	13.8	1.1