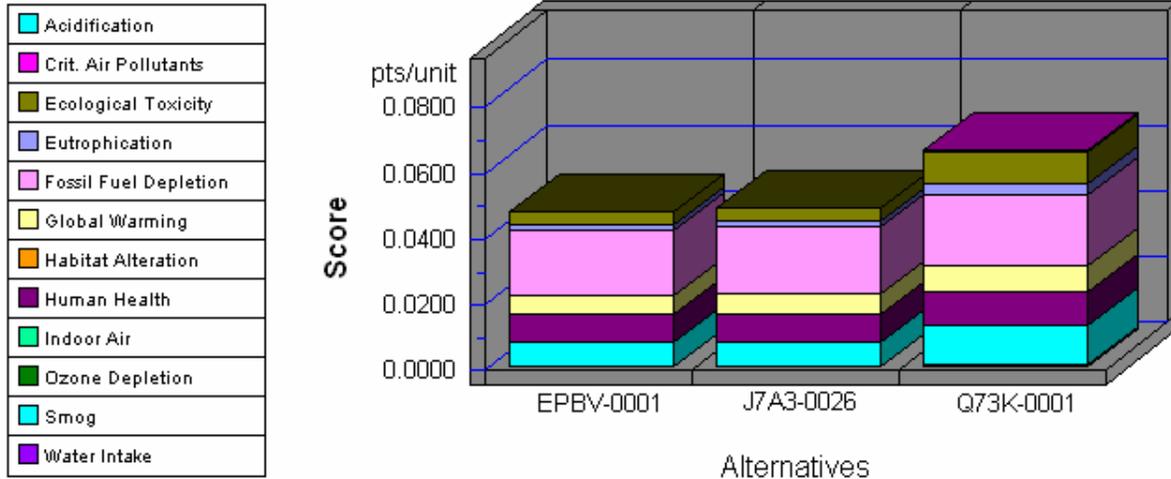


## 2-Cycle Engine Oils

Functional Unit: 1 Gallon (mixed with fuel and ready for use)

### Environmental Performance

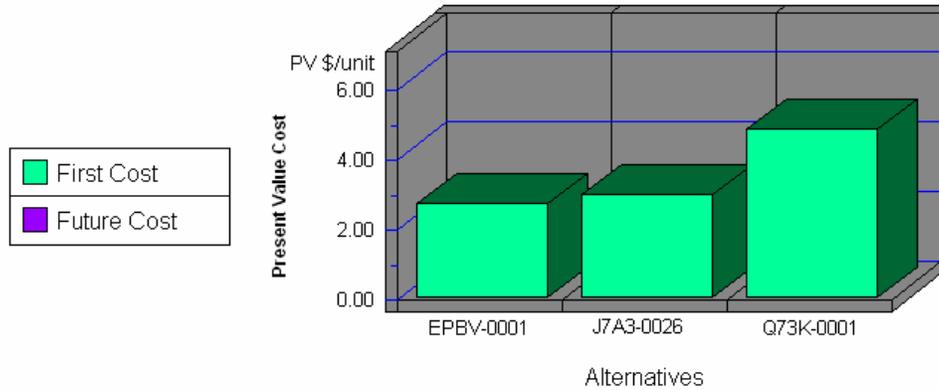


**Note: Lower values are better**

Category	EPBV-0001	J7A3-0026	Q73K-0001
Acidification--5%	0.0000	0.0000	0.0000
Crit. Air Pollutants--6%	0.0002	0.0002	0.0008
Ecolog. Toxicity--11%	0.0036	0.0036	0.0092
Eutrophication--5%	0.0017	0.0018	0.0035
Fossil Fuel Depl.--5%	0.0200	0.0204	0.0215
Global Warming--16%	0.0060	0.0061	0.0080
Habitat Alteration--16%	0.0000	0.0000	0.0000
Human Health--11%	0.0080	0.0085	0.0103
Indoor Air--11%	0.0000	0.0000	0.0000
Ozone Depletion--5%	0.0000	0.0000	0.0000
Smog--6%	0.0079	0.0078	0.0122
Water Intake--3%	0.0000	0.0001	0.0006
<b>Sum</b>	<b>0.0474</b>	<b>0.0485</b>	<b>0.0661</b>

## Appendix B (continued)

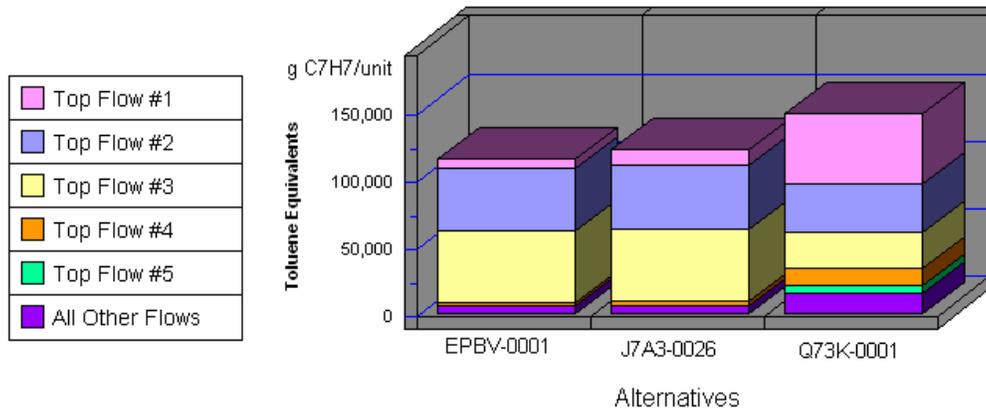
### Economic Performance



Category	EPBV-0001	J7A3-0026	Q73K-0001
First Cost	2.70	2.95	4.84
Future Cost-- 3.9%	0.00	0.00	0.00
<b>Sum</b>	<b>2.70</b>	<b>2.95</b>	<b>4.84</b>

\*No significant/quantifiable durability differences were identified among competing alternatives. Therefore, future costs were not calculated.

### Human Health by Sorted Flows\*



**Note: Lower values are better**

Category	EPBV-0001	J7A3-0026	Q73K-0001
Cancer--(a) Dioxins (unspecifie	7,045.85	11,526.09	51,695.09
Cancer--(w) Phenol (C6H5OH)	45,702.60	46,985.48	36,321.54
Cancer--(w) Arsenic (As3+, As5+	53,180.28	53,352.38	26,504.09
Cancer--(a) Arsenic (As)	2,895.88	3,588.37	13,150.36
Noncancer--(a) Mercury (Hg)	231.06	183.69	5,314.42
All Others	6,063.22	6,429.82	15,682.46
<b>Sum</b>	<b>115,118.88</b>	<b>122,065.84</b>	<b>148,667.96</b>

\*Sorted by five topmost flows for worst-scoring product