

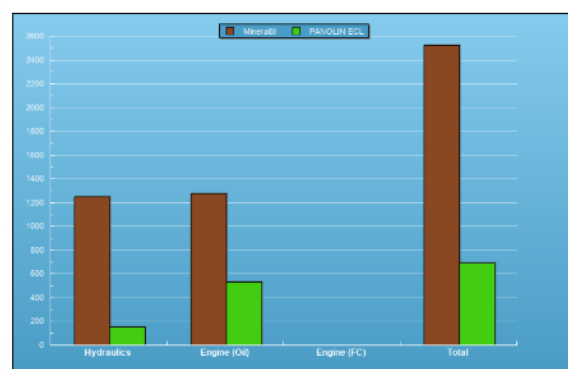
PROGETTO MMT SU BOBCAT S76 PER 12.000 ORE DI LAVORO

LUBRIFICANTI IN USO	MEZZO DA SOSTITUIRE BOBCAT 883	MEZZO NUOVO BOBCAT S76
OLIO MOTORE	15litri Minerale SAE15W40	9litri Biodegradabile Panolin BIOMOT LD10W40
OLIO IDRAULICO- TRASMISSIONE	41litri Minerale ISO46	46litri Biodegradabile Panolin HLP SYNTH 46

VALUTAZIONE SU BASE ORARIA

Machine / lubrication point	CO2e (in kg/h)		CO2e saving		Costs (in /h)		Cost saving	
	Mineral oil	ECL	in kg/h	in %	Mineral oil	ECL	in /h	in %
BOBCAT 863	0.21	0.00	0.21	100.0	0.61	0.00	0.61	100.0
Hydraulics	0.10	0.00	0.10	100.0	0.39	0.00	0.39	100.0
Engine (Oil)	0.11	0.00	0.11	100.0	0.22	0.00	0.22	100.0
Engine (FC)	0.00	0.00	0.00	100.0	0.00	0.00	0.00	100.0
BOBCAT S76	0.00	0.06	-0.06	0.0	0.00	0.20	-0.20	0.0
Hydraulics	0.00	0.01	-0.01	100.0	0.00	0.06	-0.06	100.0
Engine (Oil)	0.00	0.04	-0.04	100.0	0.00	0.15	-0.15	100.0
Engine (FC)	0.00	0.00	0.00	100.0	0.00	0.00	0.00	100.0
Total for all machines	0.21	0.06	0.15	72.7	0.61	0.20	0.41	66.6

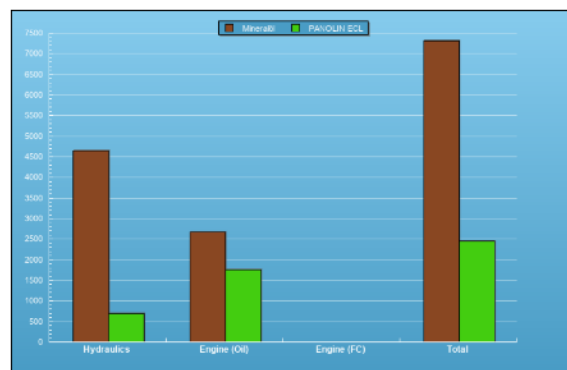
GRAFICO Co2



VALUTAZIONE SU 12.000 ORE

Machine / lubrication point	CO2e (in kg)		CO2e saving		Costs (in)		Cost saving	
	Mineral oil	ECL	in kg	in %	Mineral oil	ECL	in	in %
BOBCAT 863	2'522	0	2'522	100.0	7'325	0	7'325	100.0
Hydraulics	1'250	0	1'250	100.0	4'647	0	4'647	100.0
Engine (Oil)	1'273	0	1'273	100.0	2'678	0	2'678	100.0
Engine (FC)	0	0	0	100.0	0	0	0	100.0
BOBCAT S76	0	689	-689	0.0	0	2'445	-2'445	0.0
Hydraulics	0	154	-154	100.0	0	694	-694	100.0
Engine (Oil)	0	535	-535	100.0	0	1'751	-1'751	100.0
Engine (FC)	0	0	0	100.0	0	0	0	100.0
Total for all machines	2'522	689	1'833	72.7	7'325	2'445	4'880	66.6

GRAFICO COSTI



RIEPILOGO COMPLESSIVO PROGETTO

Lubrificanti impiegati su nuova macchina BOBCAT S76:

- Olio motore PANOLIN Biomot
- Olio idraulico PANOLIN HLP Synth
- Grasso KAJO Biogrease SA3

RISULTATI GENERALI

- Riduzione CO2 72,7% 1833kg
- Riduzione rifiuti da smaltire -81% (oli esausti) Kg.792 Vs. Kg 145
- Riduzione consumi carburante -2% di 6litri/h(-1440Litri pari a circa 1440€ di risparmio)
- Riduzione costi complessivi (consumo carburante-0,12€/h manutenzione-0,41€/h) tot.6.360€
- Riduzione rischio inquinamento per perdita lubrificanti accidentale (oli) e sistematica (grassi)