

Approval List for Lube Oil in Heavy Fuel Oil Operation (SAE 40)

Applicable for MAN-ES type medium-speed engines and for PC type engines of the Pielstick brand

Company	Base Number (mgKOH/g)			
	20 - 25	30	40	50 - 55
AEGEAN	Alfamar 420	Alfamar 430	Alfamar 440	Alfamar 450/455
AVIN OIL S.A.	AVIN ARGO S 20 SAE 40	AVIN ARGO S 30 SAE 40	AVIN ARGO S 40 SAE 40	AVIN ARGO S 50 SAE 40
Bardahl	Innocean Finax 4020	Innocean Finax 4030	Innocean Finax 4040	Innocean Finax 4055
CASTROL	TLX Xtra 204	TLX Xtra 304	TLX Xtra 404	TLX Xtra 504
CEPSA	Troncoil 2540 Plus Larus 2040 Larus 2540	Troncoil 3040 Plus Larus 3040	Troncoil 4040 Plus Larus 4040	Troncoil 5040 Plus Larus 5040
Chevron (TEXACO, CALTEX)	Taro 20DP40 Taro 20DP40X	Taro 30DP40 Taro 30DP40X	Taro 40XL40 Taro 40XL40X	Taro 50XL40 Taro 50XL40X
ENI	Cladium 200S	Cladium 300S	Cladium 400S	Cladium 500S
EXXONMOBIL	Mobilgard M 420	Mobilgard M 430	Mobilgard M 440	Mobilgard M 50
Gulf Oil Marine Ltd.	GulfSea Power MDO 4020 GulfSea Power MDO 4020S Gulfgen Supreme 420	GulfSea Power 4030 GulfSea Power 4030S Gulfgen Supreme 430	GulfSea Power 4040 GulfSea Power 4040S Gulfgen Supreme 440	GulfSea Power 4055 GulfSea Power 4055S Gulfgen Supreme 455
LPC S.A.	CYCLON POSEIDON HT 4020	CYCLON POSEIDON HT 4030	CYCLON POSEIDON HT 4040	CYCLON POSEIDON HT 4050
Motor Oil Hellas S.A.	EMO ARGO S 20 SAE 40	EMO ARGO S 30 SAE 40	EMO ARGO S 40 SAE 40	EMO ARGO S 50 SAE 40

**We do not assume any responsibility for difficulties that might be caused by these oils.
For Pielstick engines, not all recommended lube oils are listed in this document.
For more information, please contact your Pielstick technical correspondent.**

Subject to change

Approval List for Lube Oil in Heavy Fuel Oil Operation (SAE 40)

Applicable for MAN-ES type medium-speed engines and for PC type engines of the Pielstick brand

Company	Base Number (mgKOH/g)			
	20 - 25	30	40	50 - 55
Petronas	Disrol 200	Disrol 300	Disrol 400	Disrol 500 Disrol 550
PetroChina	Kunlun DCB4020H	Kunlun DCB4030H	Kunlun DCB4040H	Kunlun DCB4050H
PT Pertamina (PERSERO)	Medripal 420	Medripal 430	Medripal 440	Medripal 450 Medripal 455
Prista	-	-	Marine Power 4040	Marine Power 4050
Puma	Marine Advanced TPEO 4020	Marine Advanced TPEO 4030	Marine Advanced TPEO 4040	Marine Advanced TPEO 4050 Marine Advanced TPEO 4055
Raloy	Marine TPEO 4020	Marine TPEO 4030	Marine TPEO 4040	Marine TPEO 4050
Repsol	Innocean Finax 4020	Innocean Finax 4030	Innocean Finax 4040	Innocean Finax 4055
SHELL	Argina S2 40	Argina S3 40	Argina S4 40	Argina S5 40 Argina S4X 40
Sinopec	Sinopec TPEO 4020	Sinopec TPEO 4030	Sinopec TPEO 4040	Sinopec TPEO 4050

**We do not assume any responsibility for difficulties that might be caused by these oils.
For Pielstick engines, not all recommended lube oils are listed in this document.
For more information, please contact your Pielstick technical correspondent.**

Approval List for Lube Oil in Heavy Fuel Oil Operation (SAE 40)

Applicable for MAN-ES type medium-speed engines and for PC type engines of the Pielstick brand

Company	Base Number (mgKOH/g)			
	20 - 25	30	40	50 - 55
SK Lubricants	SK Supermar 20TP40 SK Supermar 24TP40 SK Supermar 20XP40 SK Supermar 24XP40	SK Supermar 30TP40 SK Supermar 30XP40	SK Supermar 40TP40 SK Supermar 40XP40	SK Supermar 50TP40 SK Supermar 50XP40
TOTAL LUBMARINE	Aurelia TI 4020 Aurelia 4020	Aurelia TI 4030 Aurelia 4030	Aurelia TI 4040 Aurelia 4040	Aurelia TI 4055 Aurelia 4050
Vibra Energia (Lubrax)	Marbrax CCD 420 AP	Marbrax CCD 430 AP	Marbrax CCD 440 AP	Marbrax CCD 450 AP

**We do not assume any responsibility for difficulties that might be caused by these oils.
For Pielstick engines, not all recommended lube oils are listed in this document.
For more information, please contact your Pielstick technical correspondent.**