

aggreko	Specification Engine Oil for use in Aggreko Engines	No.	G32300021
		Rev.	I
		Created by	J. McEwan
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Diesel Generators - Supplied by Aggreko Manufacturing:

Power Solutions and Rental Solutions fleet - The lubricating oil must be a Multigrade product able to satisfy a viscosity range of 15W-40. For “High Horse Power” containerised fleet the minimum API specification of CH4 is required for the QST30, QSK45G4 and KTA50G3 range engines and API – CI4 for the QSK50G4 and KTA50G12 range engines.

Brand	Diesel Engine Oils	API Rating
ARAL	MEGA TURBORAL 10W-40	CH4
BP	VANELLUS C6 GLOBAL 15W-40	CH4
CASTROL	TECTION GLOBAL 15W-40	CI4
CALTEX	DELO GOLD ULTRA 15W-40	CI4
FINA	FINA KAPPA FIRST 15W-40	CH4
FUCHS	TITAN TRUCK PLUS 15W-40	CI4
GULF	SUPREME DUTY LE 15W-40	CH4
MOBIL	DELVAC 1300 SUPER 15W-40	CI4
SHELL	RIMULA R3X 15W-40	CH4
SHELL	RIMULA R4X 15W-40	CI4
TEXACO	URSA SUPER PLUS 15W-40	CH4
TOTAL	TP STAR MAX HT 15W-40	CI4
TOTAL	RUBIA TIR 7400 15W-40	CI4
TOTAL	RUBIA TIR 6400 15W-40	CH4
VALVOLINE	PREMIUM BLUE 15W-40 Part No.17718	CI4
VALVOLINE	All FLEET EXTRA 15W-40	CH/I4
YPF	EXTRAVIDA XV 300 15W-40	CI4 Plus

North America Rental Fleet and all “T4I” Fleet utilized globally - The lubricating oil must be a Multigrade product of “Low SAPS” technology, able to satisfy a viscosity range of 15W-40 and must meet the minimum specification of API - CJ4.

Brand	Diesel Engine Oils	API Rating
*FUCHS	TITAN CARGO 15W-40	CJ4
*TOTAL	RUBIA TIR7900 15W/40	CJ4
*SHELL	ROTELLA T3 15W-40	CJ4
*SHELL	ROTELLA T TRIPLE PROTECTION 15W-40	CJ4
*SHELL	ROTELLA T4 15W-40	CJ4
*SHELL	ROTELLA T6 5W-40	CJ4

***NOTE:** All engines with Diesel Particulate Filter (DPF) or Selective Catalytic Reduction (SCR) use CJ4 oil.

Approved by:	A. Methven	Approval Date:	06/04/2017
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HFO Generators - Supplied by Aggreko Manufacturing:

MAN 9L21/31 engine: MAN recommend a Monograde SAE40 product for this engine range. The following list of lubrication oils meets the MAN product requirements.

NOTE: The selection of a suitable Base Oil number within the lubricating oil is required to neutralize the effect of the sulphur content within the HFO fuel. This is critical to equipment reliability. Guidance below:

Lubricating Oil Model				
Base number	BN20	BN30	BN40	BN50
HFO Sulphur %	<0.5%	0.5-1.5%	1.51-3.5%	>3.5%

Oil Manufacturer	Base Number (mgKOH/g)			
	20	30	40	50
AEGEAN	--	ALFAMAR 430	ALFAMAR 440	ALFAMAR 450
AGIP	--	CLADIUM 300	CLADIUM 400	--
BP	ENERGOL IC-HFX 204	ENERGOL IC-HFX 304	ENERGOL IC-HFX 404	ENERGOL IC-HFX 504
CASTROL	TLX PLUS 204	TLX PLUS 304	TLX PLUS 404	TLX PLUS 504
CEPSA	--	TRONCOIL 3040 PLUS	TRONCOIL 4040 PLUS	TRONCOIL 5040 PLUS
CHEVRON (Texaco, Caltex)	TARO 20DP40 TARO 20DP40X	TARO 30DP40 TARO 30DP40X	TARO 40XL40 TARO 40XL40X	TARO 50XL40 TARO 50XL40X
EXXON Mobil	-- --	MOBILGARD M430 EXXMAR 30 TP 40	MOBILGARD M440 EXXMAR 40 TP 40	MOBILGARD M50
LUKOIL	NAVIGO TPEO 20/40	NAVIGO TPEO 30/40	NAVIGO TPEO 40/40	NAVIGO TPEO 50/40 NAVIGO TPEO 55/40
PETROBRAS	MARBRAX CCD-420	MARBRAX CCD-430	MARBRAX CCD-440	--
PT Pertamina (PERSERO)	MEDRIPAL 420	MEDRIPAL 430	MEDRIPAL 440	MEDRIPAL 450
REPSOL	NEPTUNO NT 2040	NEPTUNO NT 3040	NEPTUNO NT 4040	--
SHELL	ARGINA S 40	ARGINA T 40	ARGINA X 40	ARGINA XL 40 ARGINA XX 40
TOTAL LUBMARINE	AURELIA TI 4020	AURELIA TI 4030	AURELIA TI 4040	AURELIA TI 4055

MAN Ref: D010.000.023-11-0001 - 2014-12-02-de

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NOTE: There is no prescribed oil drain interval for the MAN MS engine. To establish the performance of the lubricating oil, the oil must be sampled on a regular basis (Monthly). The oil can be used for as long as the oil properties remain within the defined MAN limit values.

Gas Generators - Supplied by Aggreko Manufacturing:

The lubricating oil for the **Cummins QSK60G5 Gas engine - Surf (Twin Turbo)** must be a Monograde product to SAE40. The lubricating oils specified below are approved for use:

Brand	Engine Oils	SAE Grade
*VALVOLINE	GEO MA (Group II)	40
**VALVOLINE	GEO LA ES (Group II)	40
*SHELL	MYSELLA S5N LA (Group II)	40
**SHELL	MYSELLA S5S LA (Group II)	40

***NOTE:** Valvoline GEO MA and Shell MYSELLA S5N LA (Group II) products are approved for the QSK60 for 50 Hz operation to a **MAX drain interval of 1500hr** and 60 HZ operation to a **MAX drain Interval of 750hr**.

****NOTE:** Shell MYSELLA S5S LA and Valvoline GEO LA ES products are approved for the QSK60 for 50 Hz operation to a **MAX drain interval of 2000hr** and 60 HZ operation to a **MAX drain Interval of 750hr (Oil life extension TBC)**

The lubricating oil for the **Cummins QSK60G5 Gas engine – Osprey (Single Turbo)** must be a Monograde product to SAE40. The lubricating oils specified below are approved for use:

Brand	Engine Oils	SAE Grade
**SHELL	MYSELLA S5N LA (Group II)	40

****NOTE:** The Group II Shell MYSELLA S5N LA products are approved for the QSK60 for 50 Hz operation to a MAX drain interval of 1000hr.

The lubricating oil for the **Jenbacher 420 B&C Range Gas engine** must be a Monograde product to SAE40. The lubricating oils specified below are approved for use:

Brand	Engine Oils	SAE Grade
**SHELL	MYSELLA S5N LA (Group II)	40

****NOTE:** The Group II Shell MYSELLA S5N LA products are approved for the 420 B&C range for 50 Hz operation to a MAX drain interval of 2000hr.

The lubricating oil for the **Cummins QSK19 Gas engine** must be either Monograde product to SAE40 or Multigrade product to SAE15W-40. The lubricating oils specified below are approved for use:

Brand	Engine Oils	SAE Grade
VALVOLINE	GEO LA (Group II)	15W-40
SHELL	MYSELLA S5N LA (Group II)	15W-40
VALVOLINE	GEO LA (Group II)	40
SHELL	MYSELLA S5N LA (Group II)	40

NOTE: Oil sample analysis **MUST** be used to verify oil performance through the specified oil drain interval on all Gas engines. The Oil sample interval is 250hr or as defined by the product maintenance schedule.

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