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**ADNOC**

**ADNOC LUBRICANTS**  
PRODUCT CATALOG



# AUTOMOTIVE

ADNOC Lubricants | Product Catalog



# ADNOC VOYAGER STAR PLUS HB

## SAE 0W-16

### DESCRIPTION

ADNOC Voyager Star Plus HB is a premium, shear-stable, multigrade passenger car engine oil, formulated with high quality full synthetic base oils and latest generation additives that ensure high oxidation resistance and provide exceptional protection against wear, deposits build up, sludge and varnish formation and provides long service intervals and trouble free operation. It keeps engine's performance at its maximum throughout the full oil service life even operating under severe conditions. This product is optimized for modern gasoline engines to provide the best possible fuel economy, three-way catalyst compatibility and mitigates the risk of LSPI (Low Speed Pre-Ignition) occurrence in turbocharged engines with gasoline direct injection (TGDI).

### APPLICATIONS

ADNOC Voyager Star Plus HB is recommended for low and high power density and high performance petrol/gasoline engines of passenger cars, vans, SUVs and light trucks, running under both normal and harsh driving conditions, that require a low viscosity engine oil. It meets or exceeds the latest API SP and ILSAC GF-6B specifications. Its technology was field tested, proven real world performance in conventional and hybrid vehicles. Its viscosity is typically recommended by hybrid vehicles manufacturers.

### BENEFITS

- Exceptional thermal stability and oxidation resistance
- Field tested technology proven real world performance for hybrid vehicles
- Low oil consumption and long drain intervals with outstanding protection against wear, rust, corrosion, deposits and varnish formation
- Mitigates the risk of LSPI (Low Speed Pre-Ignition) occurrence in turbocharged engines with gasoline direct injection
- Multi-viscosity characteristic ensure rapid oil circulation on engine start-up
- Optimized formulation to provide fuel economy
- Outstanding low temperature fluidity and excellent shear stability provides stable viscosity during operation
- Superior protection of exhaust emission control system, that maximizes three-way catalyst lifespan.

### PERFORMANCE LEVEL

API SP/Resource Conserving  
ILSAC GF-6B

### PRODUCT TYPICAL CHARACTERISTICS

Properties	Units	SAE	Test Methods
		0W-16	
Density @15°C	kg/L	0.844	ASTM D1298
Kinematic Viscosity @40°C	mm <sup>2</sup> /s	36.82	ASTM D445
Kinematic Viscosity @100°C	mm <sup>2</sup> /s	7.200	ASTM D445
Viscosity Index	-	163	ASTM D2270
CCS Viscosity	cP	5800	ASTM D5293
- CCS Temperature	°C	-35	
Pour Point	°C	-45	ASTM D97
Flash Point, COC	°C	190	ASTM D92

Minor variations in product typical test data are to be expected in normal manufacturing

Product(s) manufactured in the United Arab Emirates by ADNOC Distribution.

Always follow the Original Equipment Manufacturer's recommendation (OEM) for the equipment operating conditions, product specification, drain interval and customer's maintenance practices

# ADNOC VOYAGER STAR PLUS ECO

## SAE 0W-20; 5W-20; 5W-30; 10W-30

### DESCRIPTION

ADNOC Voyager Star Plus Eco is series of premium, shear-stable, multigrade passenger car engine oils, formulated with high quality full synthetic base oils and latest generation additives that ensure high oxidation resistance and provide exceptional protection against wear, deposits build up, sludge and varnish formation resulting in long service intervals and trouble free operation. It keeps engine's performance at its maximum throughout the full oil service life even operating under severe conditions. This product series is optimized for modern gasoline engines to provide fuel economy, three-way catalyst compatibility and mitigates the risk of LSPI (Low Speed Pre-Ignition) occurrence in turbocharged engines with gasoline direct injection (TGDI).

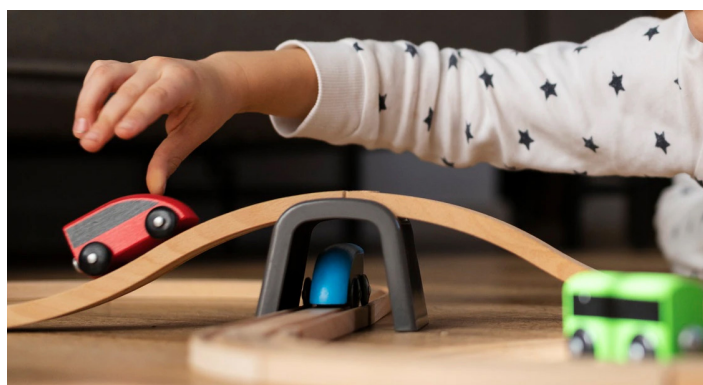
### APPLICATIONS

ADNOC Voyager Star Plus Eco is recommended for low and high power density and high performance petrol/ gasoline engines of passenger cars, vans, SUVs and light trucks running under both normal and harsh driving conditions that require one of the available viscosities and API SP and/or ILSAC GF-6A specifications. It is also recommended for direct injection, turbo/super charged gasoline engines (TGDI). It is specifically designed for GM, Ford as well as Japanese and Korean OEMs among others and can be used in old model vehicles due to its backward compatibility.

### PERFORMANCE LEVEL

### BENEFITS

- Exceptional engine and turbocharge cleanliness
- Exceptional thermal stability and oxidation resistance
- Low oil consumption and long drain intervals with outstanding protection against wear, rust, corrosion, deposits and varnish formation
- Mitigates the risk of LSPI (Low Speed Pre-Ignition) occurrence in turbocharged engines with gasoline direct injection
- Multi-viscosity characteristic ensure rapid oil circulation on engine start-up
- Optimized formulation to provide fuel economy
- Outstanding low temperature fluidity and excellent shear stability provides stable viscosity during operation
- Superior protection of exhaust emission control system, that maximizes three-way catalyst lifespan.



Specifications	SAE			
	0W-20	5W-20	5W-30	10W-30
API SP/Resource Conserving	X	X	X	X
API SN+/Resource Conserving	X	X	X	X
API SN	X	X	X	X
ILSAC GF-6A	X	X	X	X
Chrysler MS-6395	X	X	X	X
Ford WSS-M2C960-A1		X		
Ford WSS-M2C945-A/B1		X		
Ford WSS-M2C961-A1			X	
Ford WSS-M2C946-A/B1			X	
Ford WSS-M2C962-A1	X			
Ford WSS-M2C947-A/B1	X			
GM dexos1 Generation 2	X		X	





## AUTOMOTIVE GASOLINE ENGINE OILS (PCMO)

# ADNOC VOYAGER STAR PLUS ECO SAE 0W-20; 5W-20; 5W-30; 10W-30

### PRODUCT TYPICAL CHARACTERISTICS

Properties	Units	SAE				Test Methods
		0W-20	5W-20	5W-30	10W-30	
Density @15°C	kg/L	0.844	0.845	0.846	0.854	ASTM D1298
Kinematic Viscosity @40°C	mm²/s	45.00	46.00	60.00	73.40	ASTM D445
Kinematic Viscosity @100°C	mm²/s	8.450	8.50	10.63	11.23	ASTM D445
Viscosity Index	-	167	164	169	144	ASTM D2270
CCS Viscosity	cP	5000	4000	4000	5800	ASTM D5293
- CCS Temperature	°C	-35	-30	-30	-25	
Pour Point	°C	-45	-42	-39	-36	ASTM D97
Flash Point, COC	°C	190	205	220	215	ASTM D92

Minor variations in product typical test data are to be expected in normal manufacturing.

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# ADNOC VOYAGER BRONZE SPECIAL

## SAE 10W-30; 15W-40; 20W-50

### DESCRIPTION

ADNOC Voyager Bronze Special is a shear-stable, multigrade engine oil formulated with high quality base oils and carefully selected additives that ensure high oxidation resistance and provide effective protection against wear, corrosion and deposits build up.

### APPLICATIONS

ADNOC Voyager Bronze Special is recommended for petrol/gasoline engines of passenger cars, vans, SUVs and light trucks running under both normal and harsh driving conditions. It is suitable for 2004 and older automotive engines of American, Japanese and Korean passenger cars..

### BENEFITS

- Excellent oxidation stability at high temperature
- Excellent shear stability, maintains stable viscosity
- Protects against rust, wear and sludge formation
- Low oil consumption
- Three-way catalyst protection
- Good engine cleaning power.

### PERFORMANCE LEVEL

API SL

### PRODUCT TYPICAL CHARACTERISTICS

Properties	Units	SAE			Test Methods
		10W-30	15W-40	20W-50	
Density @15°C	kg/L	0.870	0.893	0.893	ASTM D1298
Kinematic Viscosity @40°C	mm²/s	78.15	114.1	151.1	ASTM D445
Kinematic Viscosity @100°C	mm²/s	11.00	14.50	17.75	ASTM D445
Viscosity Index	-	130	130	130	ASTM D2270
CCS Viscosity	cP	5000	6000	8500	ASTM D5293
- CCS Temperature	°C	-25	-20	-15	
Pour Point	°C	-24	-24	-27	ASTM D97
Flash Point, COC	°C	225	225	240	ASTM D92

Minor variations in product typical test data are to be expected in normal manufacturing.

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# ADNOC VOYAGER PLUS

## SAE 40; 50; 10W-30; 15W-40; 20W-50

### DESCRIPTION

ADNOC Voyager Plus is a series of heavy duty diesel engine oils, developed primarily for high output naturally aspirated or supercharged diesel engines, operating under severe conditions. It is formulated from high quality base oils and chemical additives that provide effective control with respect to piston cleanliness and bore polishing as well as excellent wear control, soot handling and engine oil stability.

### APPLICATIONS

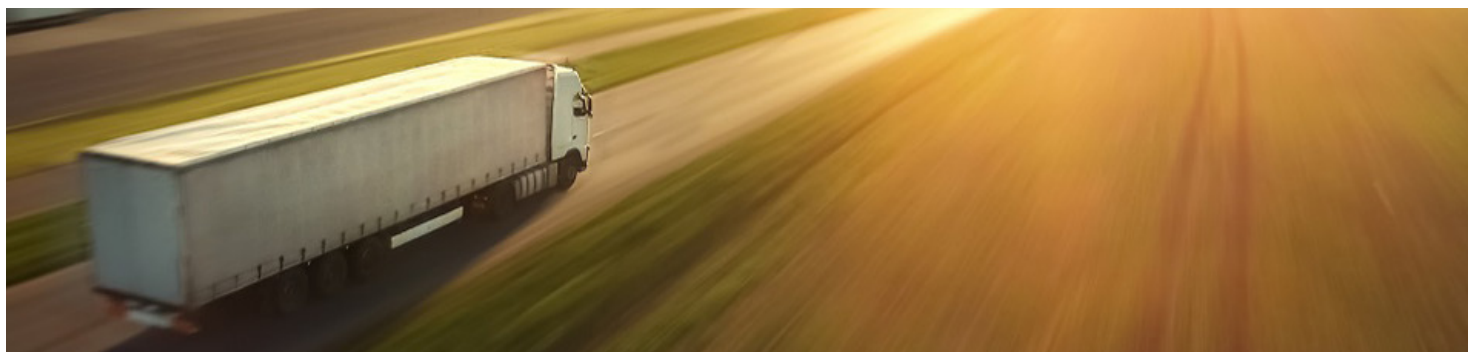
ADNOC Voyager Plus is recommended for use in high-speed, four-stroke diesel engines fitted in automotive, agricultural, mining and construction equipment that meets Euro V and previous emission requirements. It is suitable for engines without particulate filters, most engines fitted with EGR and SCR NOx reduction systems. It can be also used in some types of gasoline engines, making it ideal for mixed fleet operations operating under severe service conditions. It is also suitable for manual transmission application as defined by OEM requirement.

### BENEFITS

- Very good oxidation stability and soot handling capability that allows long drain intervals
- Provides effective control with respect to piston cleanliness and bore polishing
- Very good detergency and dispersancy ability to prevent deposits formation and sludge
- Optimal viscosity either at high or low oil operation temperatures
- Mixed fleet engine oil for both heavy/light duty diesel as well as gasoline engines
- Improved shear stability
- Low oil consumption
- Maximizes engine durability
- Improves engine oil filter performance

### PERFORMANCE LEVEL

- ACEA E7
- API CI-4/CH-4/SL
- CAT ECF-1-a
- Cummins CES 20076/77/78
- Detroit Diesel DDC 93K215
- Deutz DQC III-18
- Global DHD-1
- JASO DH-1
- Mack EO-N
- MAN M 3275
- MB-Approval 228.3
- MTU Type 2
- Renault RLD-2
- Volvo VDS-3







   @almailemgroup

P.O.Box 4692, Shuwaikh, Kuwait  
info@almailemgroup.com

  @adnocgroup

PO Box 898, Abu Dhabi, UAE  
adnoc.ae

ALMAILEM LUBRICANTS  الميـلم للزيـوت ومواد التشحيم

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Abu Dhabi National Oil Company