



GROUP
ENG

MODEL
2017-18MY
Niro (DE HEV)

NUMBER
PS505

DATE
October 2017



TECHNICAL OPERATIONS

SUBJECT: OIL GRADE AND VISCOSITY

For 2017-18MY Niro (DE HEV) vehicles equipped with the 1.6L GDI Kappa engine, the recommended oil grade/spec to use is 0W-20 API SN synthetic oil or ACEA C2 SAE 5W-30 (petroleum based oil).

NOTE: See the charts below. Selection of alternative oil viscosities should be based on the geographical location and area temperature where the vehicle will be driven.

Specifications, Consumer information, Reporting safety defects

RECOMMENDED LUBRICANTS AND CAPACITIES

To help achieve proper engine and powertrain performance and durability, use only lubricants of the proper quality. The correct lubricants also help promote engine efficiency that results in improved fuel economy.

These lubricants and fluids are recommended for use in your vehicle.

Lubricant	Volume	Classification
Engine oil ^{*1 *2} (drain and refill) Recommends TOTAL	4.01 US qt. (3.8 liter)	0W-20 API SN or ACEA C2
Dual Clutch Transaxle Fluid	1.69 ~ 1.79 US qt. (1.6 ~ 1.7 liter)	SAE 70W, API GL-4 (Recommended HK SYN DCTF 70W (SK), SPIRAX S6 GHME 70W DCTF (H.K.SHELL), GS DCTF HD 70W (GS CALTEX))
Coolant	6.31 US qt. (5.98 liter)	Mixture of antifreeze and water (Ethylene glycol base coolant for aluminum radiator)
Inverter coolant	2.56 US qt. (2.43 liter)	Mixture of antifreeze and water (Ethylene glycol base coolant for aluminum radiator)
Brake fluid	0.425 ± 0.025 US qt. (402.6 ± 24.4 cc)	DOT 3 or DOT 4
Engine clutch actuator fluid	0.105 ± 0.021 US qt. (100 ± 20 cc)	DOT 3 or DOT 4
Fuel	47.5 US qt. (45 liter)	Refer to Fuel requirements in chapter 1.

*1 Refer to the recommended SAE viscosity numbers on the next page.

*2 Engine oils labeled Energy Conserving Oil are now available. Along with other additional benefits, they contribute to fuel economy by reducing the amount of fuel necessary to overcome engine friction. Often, these improvements are difficult to measure in everyday driving, but in a year's time, they can offer significant cost and energy savings.

Recommended SAE viscosity number

Always be sure to clean the area around any filler plug, drain plug, or dipstick before checking or draining any lubricant. This is especially important in dusty or sandy areas and when the vehicle is used on unpaved roads. Cleaning the plug and dipstick areas will prevent dirt and grit from entering the engine and other mechanisms that could be damaged. Engine oil viscosity (thickness) has an effect on fuel economy and cold weather operating (engine start and engine oil flowability). Lower viscosity engine oils can provide better fuel economy and cold weather performance; however, higher viscosity engine oils are required for satisfactory lubrication in hot weather. Using oils of any viscosity other than those recommended could result in engine damage. When choosing an oil, consider the range of temperature your vehicle will be operated in before the next oil change. Proceed to select the recommended oil viscosity from the chart.

		Temperature Range for SAE Viscosity Numbers									
Temperature	°C	-30	-20	-10	0	10	20	30	40	50	
	(°F)	-10	0	20	40	60	80	100	120		
0W-20		10W-30									
API SN or ACEA C2		0/5W-20, 5W-30									

