



Driver Performance Review

WEC PORTIMAO HYPERCAR

FIA WORLD ENDURANCE CHAMPIONSHIP

General Information

This report is using solely timing data available to the teams via Alkamel without any consideration of factors that would influence the performance such as ambient/track conditions or race strategy (tire wear, fuel saving, etc.)

Raising average and box plot charts of the lap time are presented in the report, as well as a summary table of the computed ranking.

Data has been filtered to only keep lap times which are flying laps; in/out laps and VSC/SC laps have been removed from the purpose of this study.

Entry List

N°	HYPERCAR	NAT		T	CARS	MISC	DRIVER 1		DRIVER 2		DRIVER 3		11
2	CADILLAC RACING	USA		M	Cadillac V-Series.R	Hybrid	Earl Bamber (NZL)	P	Alex Lynn (GBR)	P	Richard Westbrook (GBR)	P	
4	FLOYD VANWALL RACING TEAM	AUT		M	Vanwall Vandervell 680		Tom Dillmann (FRA)	G	Esteban Guerrieri (ARG)	P	Jacques Villeneuve (CAN)	P	
5	PORSCHE PENSKE MOTORSPORT	DEU		M	Porsche 963	Hybrid	Dane Cameron (USA)	P	Michael Christensen (DNK)	P	Frédéric Makowiecki (FRA)	P	
6	PORSCHE PENSKE MOTORSPORT	DEU		M	Porsche 963	Hybrid	Kévin Estre (FRA)	P	André Lotterer (DEU)	P	Laurens Vanthoor (BEL)	P	
7	TOYOTA GAZOO RACING	JPN		M	Toyota GR010 - Hybrid	Hybrid	Mike Conway (GBR)	P	Kamui Kobayashi (JPN)	P	Jose Maria Lopez (ARG)	P	
8	TOYOTA GAZOO RACING	JPN		M	Toyota GR010 - Hybrid	Hybrid	Sébastien Buemi (CHE)	P	Brendon Hartley (NZL)	P	Ryo Hirakawa (JPN)	P	
50	FERRARI AF CORSE	ITA		M	Ferrari 499P	Hybrid	Antonio Fuoco (ITA)	P	Miguel Molina (ESP)	P	Nicklas Nielsen (DNK)	P	
51	FERRARI AF CORSE	ITA		M	Ferrari 499P	Hybrid	Alessandro Pier Guidi (ITA)	P	James Calado (GBR)	P	Antonio Giovinazzi (ITA)	P	
93	PEUGEOT TOTALENERGIES	FRA		M	Peugeot 9X8	Hybrid	Paul Di Resta (GBR)	P	Mikkel Jensen (DNK)	P	Jean-Éric Vergne (FRA)	P	
94	PEUGEOT TOTALENERGIES	FRA		M	Peugeot 9X8	Hybrid	Loic Duval (FRA)	P	Gustavo Menezes (USA)	P	Nico Müller (CHE)	P	
708	GLICKENHAUS RACING	USA		M	Glickenhau 007		Romain Dumas (FRA)	P	Ryan Briscoe (AUS)	P	Olivier Pla (FRA)	P	

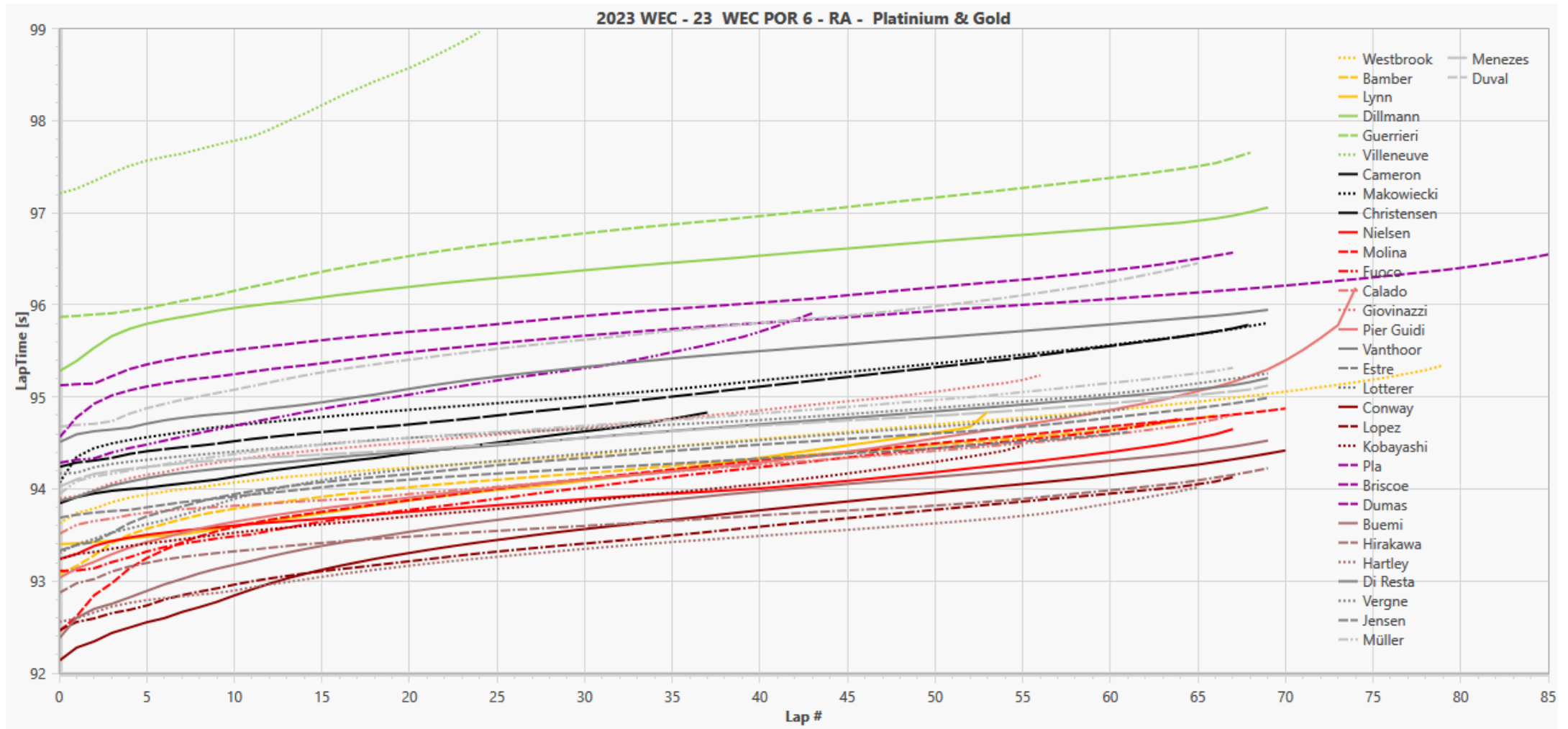
Stint Overview

	0:16	0:33	0:50	1:06	1:23	1:40	1:56	2:13	2:30	2:46	3:03	3:20	3:36	3:53	4:10	4:26	4:43	5:00	5:16	5:33	5:50	
2	Richard Westbrook B: 1:33.626 B20%: 1:34.108			Richard Westbrook B: 1:36.403 B20%: 1:36.534		Richard Westbrook B: 1:33.857 B20%: 1:34.154		Earl Bamber B: 1:33.077 B20%: 1:33.655			Earl Bamber B: 1:33.865 B20%: 1:34.162			Alex Lynn B: 1:33.856 B20%: 1:34.193			Alex Lynn B: 1:33.401 B20%: 1:33.497					
4	Tom Dillmann B: 1:35.279 B20%: 1:35.835			Tom Dillmann B: 1:36.510 B20%: 1:36.689		Esteban Guerrieri B: 1:35.870 B20%: 1:36.004			Esteban Guerrieri B: 1:37.040 B20%: 1:37.221			Jacques Villeneuve B: 1:37.211 B20%: 1:37.510										
5	Dane Cameron B: 1:34.240 B20%: 1:34.433			Dane Cameron B: 1:34.881 B20%: 1:35.132		Frédéric Makowiecki B: 1:34.067 B20%: 1:34.618			Frédéric Makowiecki B: 1:34.883 B20%: 1:35.015			Michael Christensen B: 1:33.981 B20%: 1:34.319		Michael Christensen B: 1:33.844 B20%: 1:34.044								
50	Nicklas Nielsen B: 1:33.239 B20%: 1:33.635			Nicklas Nielsen B: 1:33.351 B20%: 1:33.665		Miguel Molina B: 1:32.452 B20%: 1:33.366			Miguel Molina B: 1:33.821 B20%: 1:34.132			Antonio Fuoco B: 1:33.673 B20%: 1:34.234			Antonio Fuoco B: 1:33.111 B20%: 1:33.307							
51	James Calado B: 1:33.512 B20%: 1:33.770			James Calado B: 1:33.873 B20%: 1:33.965		Antonio Giovinazzi B: 1:34.661 B20%: 1:34.796		Antonio Giovinazzi B: 1:33.897 B20%: 1:34.184			Alessandro Pier Guidi B: 1:33.962 B20%: 1:34.114			Alessandro Pier Guidi B: 1:33.035 B20%: 1:33.403		Alessandro Pier Guidi B: 1:33.538 B20%: 1:33.982						
6	Laurens Vanthoor B: 1:33.871 B20%: 1:34.152			Laurens Vanthoor B: 1:34.656 B20%: 1:34.870		Kevin Estre B: 1:33.332 B20%: 1:33.759			Kevin Estre B: 1:34.310 B20%: 1:34.395			André Lotterer B: 1:34.404 B20%: 1:34.562			André Lotterer B: 1:33.304 B20%: 1:33.571		André Lotterer B: 1:34.726 B20%: 1:34.761					
7	Mike Conway B: 1:32.135 B20%: 1:32.598			Mike Conway B: 1:34.209 B20%: 1:34.376		Jose Maria Lopez B: 1:32.467 B20%: 1:32.891		Jose Maria Lopez B: 1:32.824 B20%: 1:33.242			Kamui Kobayashi B: 1:33.352 B20%: 1:33.532			Kamui Kobayashi B: 1:33.239 B20%: 1:33.660			Mike Conway B: 1:33.544 B20%: 1:33.705					
708	Olivier Pla B: 1:35.001 B20%: 1:35.382			Olivier Pla B: 1:34.557 B20%: 1:35.264		Olivier Pla B: 1:35.908 B20%: 1:36.134		Ryan Briscoe B: 1:35.127 B20%: 1:35.394			Ryan Briscoe B: 1:35.747 B20%: 1:36.066			Romain Dumas B: 1:34.285 B20%: 1:34.598			Romain Dumas B: 1:34.487 B20%: 1:34.674					
8	Sébastien Buemi B: 1:32.378 B20%: 1:32.965			Sébastien Buemi B: 1:34.207 B20%: 1:34.434		Ryo Hirakawa B: 1:32.872 B20%: 1:33.246			Ryo Hirakawa B: 1:33.373 B20%: 1:33.594			Brendon Hartley B: 1:32.950 B20%: 1:33.250			Brendon Hartley B: 1:32.557 B20%: 1:32.819							
93	Paul Di Resta B: 1:34.508 B20%: 1:34.746			Paul Di Resta B: 1:35.424 B20%: 1:35.686		Jean-Eric Vergne B: 1:34.182 B20%: 1:34.458			Jean-Eric Vergne B: 1:34.171 B20%: 1:34.450			Mikkel Jensen B: 1:33.753 B20%: 1:34.042			Mikkel Jensen B: 1:33.689 B20%: 1:33.869							
94	Nico Müller B: 1:34.230 B20%: 1:34.382			Nico Müller B: 1:33.944 B20%: 1:34.653		Gustavo Menezes B: 1:34.024 B20%: 1:34.316			Gustavo Menezes B: 1:34.189 B20%: 1:34.527			Loïc Duval B: 1:35.143 B20%: 1:35.409			Loïc Duval B: 1:34.678 B20%: 1:34.950							

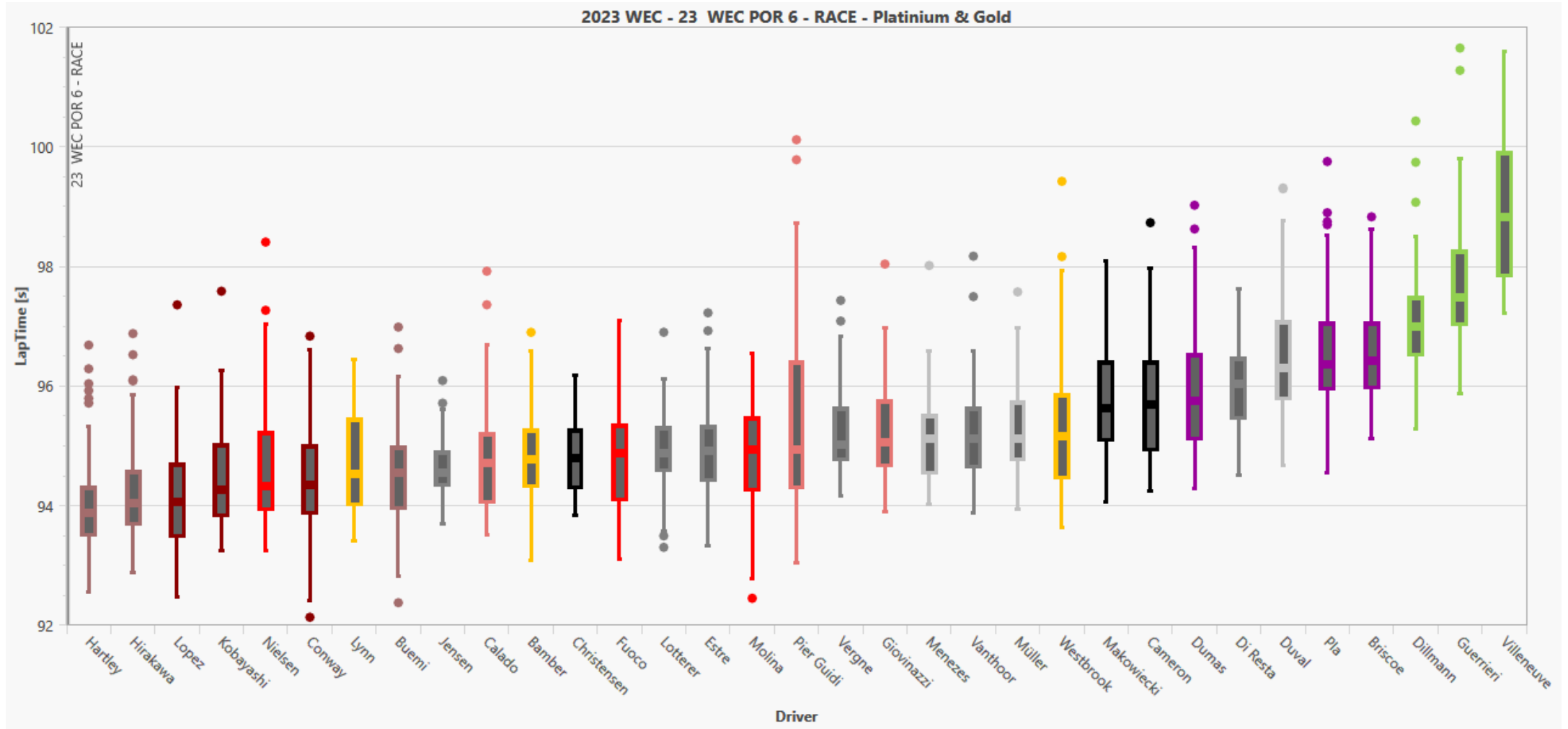
B : Best lap time

B20% : Best 20 % average lap time

RAISING AVERAGE Per Categories | Platinum & Gold



BoxPlot Per Categories | Platinum & Gold



Ordering is done by average lap time

Ranking

Drivers	Team	Car	Driver Category	NLaps Considered	Ranking Per Category
8 - Brendon HARTLEY	Toyota Gazoo Racing	Toyota GR010 HYBRID	Platinum	48	1
7 - Jose Maria LOPEZ	Toyota Gazoo Racing	Toyota GR010 HYBRID	Platinum	52	2
7 - Mike CONWAY	Toyota Gazoo Racing	Toyota GR010 HYBRID	Platinum	41	3
8 - Ryo HIRAKAWA	Toyota Gazoo Racing	Toyota GR010 HYBRID	Platinum	52	4
8 - Sébastien BUEMI	Toyota Gazoo Racing	Toyota GR010 HYBRID	Platinum	44	5
7 - Kamui KOBAYASHI	Toyota Gazoo Racing	Toyota GR010 HYBRID	Platinum	44	6
50 - Nicklas NIELSEN	Ferrari AF Corse	Ferrari 499P	Platinum	49	7
50 - Antonio FUOCO	Ferrari AF Corse	Ferrari 499P	Platinum	48	8
50 - Miguel MOLINA	Ferrari AF Corse	Ferrari 499P	Platinum	36	9
51 - Alessandro PIER GUIDI	Ferrari AF Corse	Ferrari 499P	Platinum	37	10
2 - Alex LYNN	Cadillac Racing	Cadillac V-Series.R	Platinum	41	11
51 - James CALADO	Ferrari AF Corse	Ferrari 499P	Platinum	52	12
2 - Earl BAMBER	Cadillac Racing	Cadillac V-Series.R	Platinum	48	13
93 - Mikkel JENSEN	Peugeot TotalEnergies	Peugeot 9X8	Platinum	51	14
6 - Kévin ESTRE	Porsche Penske Motorsport	Porsche 963	Platinum	50	15
6 - André LOTTERER	Porsche Penske Motorsport	Porsche 963	Platinum	48	16
2 - Richard WESTBROOK	Cadillac Racing	Cadillac V-Series.R	Platinum	56	17
5 - Michael CHRISTENSEN	Porsche Penske Motorsport	Porsche 963	Platinum	32	18
94 - Gustavo MENEZES	Peugeot TotalEnergies	Peugeot 9X8	Platinum	56	19
6 - Laurens VANTHOOR	Porsche Penske Motorsport	Porsche 963	Platinum	55	20
51 - Antonio GIOVINAZZI	Ferrari AF Corse	Ferrari 499P	Platinum	44	21
93 - Jean-Éric VERGNE	Peugeot TotalEnergies	Peugeot 9X8	Platinum	55	22
94 - Nico MÜLLER	Peugeot TotalEnergies	Peugeot 9X8	Platinum	53	23
5 - Dane CAMERON	Porsche Penske Motorsport	Porsche 963	Platinum	49	24
5 - Frédéric MAKOWIECKI	Porsche Penske Motorsport	Porsche 963	Platinum	48	25
708 - Romain DUMAS	Glickenhause Racing	Glickenhause 007	Platinum	32	26
93 - Paul DI RESTA	Peugeot TotalEnergies	Peugeot 9X8	Platinum	55	27
94 - Loïc DUVAL	Peugeot TotalEnergies	Peugeot 9X8	Platinum	44	28
708 - Olivier PLA	Glickenhause Racing	Glickenhause 007	Platinum	57	29
708 - Ryan BRISCOE	Glickenhause Racing	Glickenhause 007	Platinum	50	30
4 - Tom DILLMANN	Floyd Vanwall Racing Team	Vanwall Vandervell 680	Gold	52	1
4 - Esteban GUERRIERI	Floyd Vanwall Racing Team	Vanwall Vandervell 680	Platinum	49	31
4 - Jacques VILLENEUVE	Floyd Vanwall Racing Team	Vanwall Vandervell 680	Platinum	16	32

Ranking is considering driver performance and consistency.