



FÉDÉRATION INTERNATIONALE
DE MOTOCYCLISME

**FIM FUELS
REGULATIONS
2022**

FIM Fuels Regulation

Règlement FIM pour les essences

Modifications log		
Updated	Applicable as from	Modified articles
January 1 st 2021	01.01.2021	Creation
November 27 th 2021	01.01.2022	Fuels specification for Cat. 1 and new fuels added
May 4th 2022	04.04.2022	Art. D Fuels specification



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A.REGULAR FUEL

If not specified in the Technical Rules of the Chamiponships, Cup or Prize or in the Supplementary regulation of the event, regular fuel coming from Public Fuel station can be used.

By regular fuel. It is to be understand fuel available at the fuel station with a fuel gun and with an Octane not more than 98.

B. RACE FUELS

Fuel companies which supply “race” fuels (fuels other than those obtained at public pump stations) to participating teams/riders must test their fuel at against all the FIM specifications set out in **Art. C** of this regulation.

1. Conformed fuels

If the specifications of the fuel are in conformity to **Art. C** of this regulation, a certificate containing a test report and batch number will be issued to the fuel company.

The fuel company shall be able to provide a copy of such certificate to their client rider/teams before they take part in a race.

A list of fuels which are in conformity with FIM specifications are listed in **Art. F** of this regulation.

2. Appointed supplier(s) to event(s)

In the cases in which only fuel from the appointed supplier is permitted (for a specific event or the entire World Championship, Prize or Cup), the aforementioned fuel shall have been previously tested in a FIM appointed laboratory in order to test its conformity with the FIM specifications as set out in **Art. C** of this regulation:

- in case of conformity, a certificate of conformity (including test report and tested batch number) shall be available and **Art. F** of this regulation applies in case of controls for the riders/teams;
- in case the conformity is not achieved, the FMN of the organising country/the Organiser/the Promoter shall ask the FIM for a waiver in order to enable the use of fuel not corresponding to FIM specifications. If the waiver is granted, the riders/teams will be responsible for using the fuel provided without changing its composition. Controls may be carried out by FIM.

C. TESTING LABORATORY

For question regarding the “race” fuels and/or the testing of the fuels please contact the aforementioned testing laboratory:

Intertek (Schweiz) AG

Analytical Testing - Fuel, Lubricants & Combustible
Wagistraße 2
8952 Schlieren
Switzerland

Telephone: +41 43 433 78 10

Fax: +41 43 433 78 19

Email contact: fimfuels@intertek.com.

D. FIM SPECIFICATIONS FOR UNLEADED FUELS OR MIXTURES OF UNLEADED FUELS, CATEGORY 1

The following fuels specifications are valid for these FIM Competitions:

- MotoGP
- Moto2
- Moto3

The following properties shall be within the following thresholds (for each property, the relative test methods to be used for the measurement are indicated):

Property	Units	Min. ¹	Max. ¹	Test Methods ²
Density at 15°C	[kg/m ³]	720.0	775.0	ASTM D4052
RON	-	95	102	EN ISO 5164
MON	-	85	90	EN ISO 5163
Oxidation stability	[min]	360		ASTM D525
Vapour pressure (DVPE)	[kPa]		90	EN 13016-1
Aromatics	% (V/V)		35.0	EN ISO 22854
Benzene	% (V/V)		1.0	EN ISO 22854
Diolefins total	% (m/m)		1.0	GC-MS HPLC
Existent Gum	[mg/100 mL]		5.0	EN ISO 6246
Lead	[mg/L]		5.0	EN 237
Manganese	[mg/L]		1.0	ICP-OES
Nitrogen	% (m/m)		0.2	ASTM D 4629
Olefins	% (V/V)		18.0	EN ISO 22854
Oxygen	% (m/m)		2.7	EN ISO 22854
Sulphur	[mg/kg]		10.0	ASTM D5453
Distillation:				EN ISO 3405
E at 70°C	% (V/V)	22.0	50.0	
E at 100°C	% (V/V)	46.0	71.0	
E at 150°C	% (V/V)	75.0		
Final Boiling Point	[°C]		210	
Residue	% (V/V)		2.0	
Copper Corrosion	Rating		Class 1	ISO 2160

Table 1 : Specifications and test methods (does not include the visual inspection)

¹ All reported min. and max. thresholds do not include the tolerance, which needs to be calculated in accordance with ISO 4259 and taken into account to correct the min. and max. thresholds

² In case of dispute the test method listed in **bold** will be the reference

Only the following oxygenates will be permitted:

- ◆Methanol
- ◆Ethanol
- ◆Iso-propyl alcohol
- ◆Iso-butyl alcohol
- ◆Methyl tertiary butyl ether
- ◆Ethyl tertiary butyl ether
- ◆Tertiary amyl methyl ether
- ◆Di-isopropyl ether
- ◆n-Propyl alcohol
- ◆Tertiary butyl alcohol
- ◆n-Butyl alcohol
- ◆Secondary butyl alcohol

In addition to these specifications, the appearance of the fuel, controlled by visual inspection must be clear, bright and free from solid matter and undissolved water.

The total of individual hydrocarbon components present at concentrations of less than 5% (m/m) must constitute at least 30% (m/m) of the fuel. The test method will be GC-FID (gas chromatography-flame ionisation detector) and/or GC-MS (gas chromatography-mass spectrometry).

The total concentration of naphthenes, olefins and aromatics classified by carbon number must not exceed the values given in the following table:

% (m/m)	C4	C5	C6	C7	C8	C9 +
Naphthenes	0	5	10	10	10	10
Olefins	5	20	20	15	10	10
Aromatics	-	-	1.2	35	35	30

Table 2 : Naphtenes, Olefins and aromatics contents

Bicyclic and polycyclic olefins are not permitted. The fuel must contain no substances which are capable of exothermic reaction in absence of external oxygen.

E. FIM SPECIFICATIONS FOR UNLEADED FUELS OR MIXTURES OF UNLEADED FUELS, CATEGORY 2

The following fuels specifications are valid all FIM Competitions not included in Category 1.

The following properties shall be within the following thresholds (for each property, the relative test methods to be used for the measurement are indicated):

Property	Units	Min. ³	Max. ¹	Test Methods ⁴	
Density at 15°C	[kg/m ³]	720	785	EN ISO 12185	ASTM D4052
RON	-	95	102	EN ISO 5164	ASTM D2699
MON	-	85	90	EN ISO 5163	ASTM D2700
Oxidation stability	[min]	360		EN ISO 7536	ASTM D525
Vapour pressure (DVPE)	[kPa]		100	EN 13016-1	ASTM D5191
Aromatics	% (V/V)		35.0	EN ISO 22854	ASTM D6839
Benzene	% (V/V)		1.0	EN ISO 22854	ASTM D6839 or D5580
Diolfins total	% (m/m)		1.0	GC-MS	HPLC
Lead	[mg/L]		5.0		AAS
Manganese	[mg/L]		2.0	ICP-OES	AAS
Nitrogen	% (m/m)		0.2	ASTM D 4629	ASTM 5762
Olefins	% (V/V)		18.0	EN ISO 22854	ASTM D6839
Oxygen (includes 10% ethanol allowance)	% (m/m)		3.7	EN ISO 22854	EN 13132 or elemental analysis
Sulphur	[mg/kg]		10.0	EN ISO 20846	ASTM D5453
Distillation:				EN ISO 3405	ASTM D86
E at 70°C	% (V/V)	20.0	52.0		
E at 100°C	% (V/V)	46.0	72.0		
E at 150°C	% (V/V)	75.0			
Final Boiling Point	[°C]		210		
Residue	% (V/V)		2.0		
Oxygenates:				EN ISO 22854	EN 13132
Methanol	% (V/V)		3.0		
Ethanol	% (V/V)		10.0		
Isopropanol	% (V/V)		12.0		
Isobutanol	% (V/V)		15.0		
tert-Butanol	% (V/V)		15.0		
Ethers (C5 or higher)	% (V/V)		22.0		
Others	% (V/V)		15.0		

Table 3 : Specifications and test methods (does not include the visual inspection)

In addition to these specifications, the appearance of the fuel, controlled by visual inspection must be clear, bright and free from solid matter and undissolved water.

³ All reported min. and max. thresholds do not include the tolerance, which needs to be calculated in accordance with ISO 4259 and taken into account to correct the min. and max. thresholds

⁴ In case of dispute the test method listed in **bold** will be the reference

The total of individual hydrocarbon components present at concentrations of less than 5% (m/m) must constitute at least 30% (m/m) of the fuel. The test method will be GC-FID (gas chromatography-flame ionisation detector) and/or GC-MS (gas chromatography-mass spectrometry).

The total concentration of naphthenes, olefins and aromatics classified by carbon number must not exceed the values given in the following table:

% (m/m)	C4	C5	C6	C7	C8	C9 +
Naphthenes	0	5	10	10	10	10
Olefins	5	20	20	15	10	10
Aromatics	-	-	1.2	35	35	30

Table 4 : Naphtenes, Olefins and aromatics contents

Bicyclic and polycyclic olefins are not permitted. The fuel must contain no substances which are capable of exothermic reaction in absence of external oxygen.

F. FIM SPECIFICATIONS FOR MIXTURES OF UNLEADED FUEL(S) AND LUBRICANT

The lubricant must not:

1. change the composition of the fuel fraction when added to the fuel
2. contain any nitro-compounds, peroxides or any other engine power boosting additives
3. contribute to an improvement in overall performance in any way
4. show a reduction in mass by evaporation of more than 10% (m/m) during the distillation up to 250°C (test method: simulated distillation GC)
5. contain more than 10% of anti-knock agents (lead, manganese, iron) (test method: ICP-OES).

Moreover, the following specifications are set for the mixture of unleaded fuel(s) and lubricant:

The following properties shall be within the following thresholds (for each property, the relative test methods to be used for the measurement are indicated):

Property	Units	Min.	Max. ¹	Test Methods	
Density at 15°C ⁵	[kg/m ³]	690	815	EN ISO 12185	ASTM D4052
RON	-		102	EN ISO 5164	ASTM D2699
MON	-		90	EN ISO 5163	ASTM D2700

⁵ For the density measurement, the min. and max. thresholds do include the tolerance

G. FUELS CONTROLS

The FIM may require fuel controls, i.e. controls of the unleaded fuel, mixture of unleaded fuels or mixture of unleaded fuel and lubricant, used by riders/teams at events. These controls involve an initial sampling at the event and further testing in the FIM appointed laboratory.

3. Sampling

- 1) The FIM Technical Director (or the FMNR Chief Technical Steward when there is no FIM Technical Director appointed) is the sole official responsible for the sampling management and supervision.
- 2) Riders/teams selected for fuel controls are directed to proceed with their vehicles to the area that has been designated for this purpose.
- 3) The FIM Technical Director/FMNR Chief Technical Steward collects the fuel from the motorcycle by using only new sample containers and pipettes/hand pumps.
- 4) The fuel is transferred through the use of the pipette/hand pump directly from the fuel tank into three containers, denominated A, B and C. The containers are closed and sealed by the FIM Technical Director/FMNR Chief Technical Steward.
- 5) The FIM Technical Director/FMNR Chief Technical Steward fills in (in all its parts) and signs the Fuel Sample Declaration Form (see forms). The rider or a team representative also signs this Form, after verifying that all the information is correct.
- 6) The FIM Technical Director/FMNR Chief Technical Steward prepares an appropriate shipping box containing the collected A, B and C samples and a copy of the respective, signed, Fuel Sample Declaration Form. The box is then shipped to the FIM appointed laboratory by courier.

4. Testing

- 1) One or more properties to be checked (following the relevant testing method as per **Art. D, E or F**) are set by the FIM for each selected rider/team.
- 2) Sample A is the first sample to be tested by the FIM appointed laboratory.
- 3) Sample B can be used for a second analysis if required by the FIM. The test result of the A or B sample more favourable to the rider/team is taken into account. Costs for the shipping and testing of sample A and B are paid by FIM.
- 4) As soon as possible after completing the testing, the FIM appointed laboratory reports the test results directly to the responsible CTI Coordinator.
- 5) For negative cases (i.e. conformity of the tested property(ies) with the specification), the riders/teams concerned will be individually informed by the FIM in due course, copying the rider/team's FMN, the FIM Technical Director/FMNR Chief Technical Steward, the competent authority (e.g. Race Direction, International Jury), the CTI Director, the Director and Coordinator(s) of the sporting Commission concerned.

- 6) Only for positive cases following testing of sample A or B or A and B (i.e. non-conformity of one or more properties*), the responsible CTI Coordinator notifies by electronic mail* the rider/team concerned (including the testing results) and, 24 hours after, forwards the relevant information to the rider/team's FMN, the FIM Technical Director/FMNR Chief Technical Steward, the competent authority (e.g. Race Direction, International Jury), the CTI Director, the Director and Coordinator(s) of the sporting Commission concerned.

*Note: The non-conformity of one property (except the Appearance) is sufficient for declaring non-conformity of the fuel or the mixture.

- 7) If the rider/team wishes to request a counter-expertise, he must notify the responsible CTI Coordinator by electronic mail* accordingly, within 72 hours of receipt by the FIM of the delivery status notification pertaining to the notification of the test results to the rider/team.

- If a counter-expertise is requested, the sample dedicated to the counter-expertise is sample C and the test shall aim at checking the same property(ies) previously checked on sample A/B. The rider/team can request that sample C be tested at one of the available FIM appointed laboratories. Costs for shipping and testing of sample C are paid by the rider/team concerned.

Upon notification of the sample C results, the responsible CTI Coordinator notifies by electronic mail⁶ the rider/team concerned (including the testing results) and forwards the relevant information to the rider/team's FMN, the FIM Technical Director/FMNR Chief Technical Steward, the competent authority (e.g. Race Direction, International Jury), the CTI Director, the Director and Coordinator(s) of the sporting Commission concerned.

- If no counter-expertise is requested within the time limit, the responsible CTI Coordinator forwards the relevant information by electronic mail* the rider/team's FMN, the FIM Technical Director/FMNR Chief Technical Steward), the competent authority (e.g. Race Direction, International Jury), the CTI Director, Director and Coordinator(s) of the sporting Commission concerned.

- 8) The competent authority of the event concerned (e.g. Race Direction, International Jury) makes a decision based on the information received. The Coordinator of the sporting Commission concerned notifies the rider/team concerned regarding the decision by electronic mail*.

The non-conformity of :

- A sample (in the cases B sample was not used) or
- B sample (in the cases A sample result was not conclusive) or
- A and B samples or

⁶ The receipt of a delivery status notification will be deemed as proof of delivery

- A and B and C samples (in the cases B sample was used and a counter-expertise was requested) or
- A and C samples (in the cases B sample was not used and a counter-expertise was requested)


automatically results in the disqualification of the rider/team from the entire event.

No disqualification will be applied in case of conformity of sample C.

Furthermore, in any case, other penalties may be applied.

- 9) The rider/team has the right to appeal against the decision of competent authority of the event concerned (e.g. Race Direction, International Jury) in accordance with FIM Disciplinary and Arbitration Code applicable to the relevant discipline.

H. FUEL SAMPLE DECLARATION FORM

 <h3 style="margin: 0;">FIM Fuel Sample Declaration Form</h3>									
Discipline									
IMN (xxx/xx)									
Rider/team's name									
Rider/team's number									
Rider/team's email or telephone number									
Team									
Vehicle's make									
Fuel's make and type									
Fuel origin (public station or race supplier)									
Fuel samples taken on date (dd/mm/yy)									
Fuel samples taken at (right before or after):									
MOTOCROSS Practice <input type="checkbox"/> Qualifying race <input type="checkbox"/> Race 1 <input type="checkbox"/> Race 2 <input type="checkbox"/>	TRIAL Day 1 <input type="checkbox"/> Day 2 <input type="checkbox"/>	TRACK RACING Heat n°__ <input type="checkbox"/>	ENDURO /ISDE Day 1 <input type="checkbox"/> Day 2 <input type="checkbox"/> Day n°__ <input type="checkbox"/>	RALLIES /BAJAS Day 1 <input type="checkbox"/> Day 2 <input type="checkbox"/> Day n°__ <input type="checkbox"/>					
<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Container seal n°</th> </tr> </thead> <tbody> <tr> <td style="width: 100px;">Sample A</td> <td></td> </tr> <tr> <td>Sample B</td> <td></td> </tr> <tr> <td>Sample C</td> <td></td> </tr> </tbody> </table>		Container seal n°		Sample A		Sample B		Sample C	
Container seal n°									
Sample A									
Sample B									
Sample C									
<p>The above listed details refer to fuel samples taken from the fuel tank of the motorcycle specified.</p> <p>Sample A is the first testing sample to be used by the FIM appointed laboratory</p> <p>Sample B can be used for a second analysis if required by the FIM</p> <p>Sample C is used if a counter-expertise is required by the rider/team.</p> <p>The serial numbers of the vial seals and the accuracy of the listed information have been verified.</p>									
Rider or team responsible name									
Rider or team responsible signature									
FIM Technical Director/ FMNR Chief Technical Steward name									
FIM Technical Director/ FMNR Chief Technical Steward signature									

I. LIST OF APPROVED FUELS⁷

The fuels are listed in 2 categories:

- **Category 1:** MotoGP, Moto2, Moto3
- **Category 2:** All others

ENI					
N°	Sample incoming	Dossier	Batch/Lot	Reference	Category
2	19/01/12	112052/01	11/314	ENI SBK 2010 B	1 2
4	04/03/13	113085/02		Eni Blu super +	1 2
5	22/05/13	113085/03	13/002	Eni Blu super +	1 2
6	24/06/13	113085/04	13-131	SF-S	1 2
7	03/09/13	113085/05	PP130540	SF-S	1 2
8	20/01/14	114053/01	PP130711	Eni SF-S	1 2
9	31/01/14	114053/02	14/001	Eni Blu super +	1 2
10	10/02/15	115095/01#01	PP 140390	SF-S	1 2
11	02/03/15	115095/02	PTMG 01	Eni Blu Super+	1 2
12	09/03/15	115095/03#01	PP 150065	Eni SF S	1 2
13	15/02/16	116162/01	3391	SF-S 102	1 2
14	08/04/16	116162/02	E031-16	Eni SF-S	1 2

⁷ The approved fuels listed here above are classified by manufacturer's alphabetical order to facilitate the reading

Haltermann ETSP

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
2	04/04/2013	113118/03	13-04/3015	ESC 1954		2
5	17/10/2013	113118/17	13-10/3157	TBX 4 EVO 2		2
6	17/10/2013	113118/18	13-10/3160	TBX 5 EVO 2		2
7	17/10/2013	113118/19	13-10/3161	XS EVO 2		2
8	14/03/2014	114152/01	14-03/3306	ESC LC5	1	2
9	04/08/2014	114152/02	14-07/3434	TBX 5 EVO 3		2
11	10/12/2015	115176/02	15-12/3865	ESC 1935	1	2
12	09/03/2016	116248/01	15-10/3833	IRF 102	1	2
13	29/08/2011	111045/05#01-02	BI-11-08/2595	ESC1933(APA001)	1	2
15	20/07/2016	116248/05	BI 16-07/4077	ESC STRAT 5	1	2
16	22/08/2016	116248/07	BI 16-08/4096	ESC LC6	1	2
17	11/01/2017	117019/06	BI 17-01/4185	ESC 1955 A		2
18	31/03/2017	117019/07	BI 17-03/4282	ESC LC6	1	2
19	14/07/2017	117019/08#01	BI 17-07/4362	ESC LC6	1	2
20	21/08/2018	118082/09	BI 18-08/4698	ESC LC6	1	2
21	15/03/2019	119076/04	BI 19-02/4826	ESC 1955		2
22	22/05/2019	119076/07	BI 19-05/4905	STRATO 5	1	2
23	06/06/2019	119076/09	BI 19-06/4921	ESC LC6	1	2
24	08/01/2020	120019/01	BI 19-12/5078	STRATO 5	1	2
25	10/01/2020	120019/02	BI 20-01/5084	STRATO 5	1	2
26	23/01/2020	120019/03	BI 20-01/5094	ESC 1955		2
27	30/06/2020	120019/04	BI 20-06/5155	STRATO 5	1	2
28	21/10/2020	120019/06	BI 20-10/5216	ESC 1937 C		2
29	30/10/2020	120019/07#01	BI 20-10/5214	STRATO 5	1	2
30	19/01/2021	121000/02	BI 21-01/5232	ESC 1955		2
31	09/04/2021	121000/03	BI 21-04/5289	STRATO 5	1	2
32	17/05/2021	121000/04	BI 21-05/5311	STRATO K2 B	1	2
33	17/06/2021	121000/05	BI 21-06/5339	STRATO K2 B	1	2
34	12/08/2021	121000/06	BI 21-08/5374	STRATO K2 B	1	2

Lantmännen Aspen

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
1	09/08/2017	117548/01	N/A/	NEW AR / ASPEN R	1	2

Lukoil

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
1	09/05/2016	116405/01	#1	Sporting gasoline	1	2
2	03/08/2016	116405/03	1330	Gasoline "SPORT"	1	2

P1 Racing fuels

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
1	11/01/2019	119033/01		SBX (P-RG-008-03)	1	2

Panta

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
3	27/05/2014	114219/01		K4	1	2
4	18/05/2015	115206/01			1	2
5	05/04/2016	116283/02	19/16	K4	1	2
6	15/03/2017	117183/01	01-17	Mtv4T01	1	2
7	15/03/2017	117183/02	22-17	K4	1	2
8	19/02/2020	120118/01	101	Panta MTV 4T-01		2
9	19/02/2020	120118/02	104	Panta K4	1	2
10	20/05/2020	120118/04	120	Panta K20	1	2

Petronas

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
1	15/11/2019	119415/01#01	M2A	Petronas Primax Pro-Race 1902M2A	1	2
2	11/11/2020	120374/01	M2A	Petronas Primax Pro-Race 2001M2A	1	2

Race Republic

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
1	11/02/2014	114101/01		P1 102 RX racing fuel	1	2

Renegade

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
1	17/04/2013	113179/01	14213	GP4-2/7	1	2

Repsol

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
1	14/02/2012	112101/01		CTR-55-HRC	1	2
2	18/02/2013	113087/01		CTR-55 HRC	1	2
3	04/02/2014	114085/01		CTR-55 HRC	1	2
4	29/01/2015	115069/01		CTR-55-HRC	1	2
5	10/11/2015	115069/02#01		CTR-55-HRC	1	2
6	20/04/2016	116362/01	2016/01	CTR-19-MH	1	2
7	25/10/2016	116362/02		CTR-55 HRC	1	2
8	15/03/2017	117179/01	2017/01	CTR-19-MH	1	2
9	22/11/2017	117179/02		CTR-55-HRC	1	2
10	05/04/2018	118280/01		CTR-55-HRC	1	2
11	05/04/2018	118280/02		CTR-19	1	2
12	29/11/2018	118280/03		CTR-55-HRC	1	2
13	25/03/2019	119117/01		CTR-55	1	2
14	12/09/2019	119117/02	1-2019	CTR-19	1	2
15	01/09/2020	120024/01		CTR-55	1	2
16	09/03/2021	121153/01		CTR-19 MH	1	2
17	27/05/2021	121153/02		CTR-55 HRC	1	2

Scuderia Braunschweig

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
Scu1	10/07/2019	119278/01	1907	SGR102		2

Shell (1/2)

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
1	25/05/2011	111008/06	PR4414	PR4414 - Ducati Fuel G2	1	2
2	09/02/2012	112091/01	PR4666	Ducati Fuel Duc 3	1	2
3	13/02/2012	112091/02	PR4670	RD 05-08-Fuel	1	2
4	13/03/2012	112091/03	PR4696	Ducati Fuel Duc 10	1	2
5	21/03/2012	112091/05	PR4719	Racing Fuel - RT	1	2
6	27/03/2012	112091/06	PR4722	Racing Fuel - BF	1	2
7	13/06/2012	112091/07	PR4826	Ducati Fuel DUC 10	1	2
8	28/01/2013	113058/01	PR5050	Ducati Fuel Duc 10	1	2
9	20/02/2013	113058/02	PR5088	Ducati Fuel Duc 10	1	2
10	14/06/2013	113058/03	PR5193	Ducati Fuel Duc 10	1	2
11	06/12/2013	113058/04	PR5383	Ducati Fuel Duc 10	1	2
12	27/12/2013	113058/05	PR5438	Ducati Fuel Duc 12	1	2
13	10/03/2014	114140/01	PR5498	Ducati Fuel Duc 12	1	2
14	04/06/2014	114140/06	PR5640	Ducati Fuel Duc 12	1	2
15	22/08/2014	114140/11	PR5803	Ducati Fuel Duc 12	1	2
17	27/11/2014	114140/13	PR5941	Ducati Fuel Duc 12	1	2
18	16/02/2015	115104/01	PR6084	Ducati Fuel Duc 30	1	2
19	07/05/2015	115104/02	PR6198	Ducati Fuel Duc 30	1	2
20	01/06/2015	115104/03	PR6235	Ducati Fuel Duc 30	1	2
21	27/07/2015	115104/04	PR6293	Ducati Fuel Duc 30	1	2
22	23/10/2015	115104/05	PR6395	Ducati Fuel Duc 30	1	2
23	13/01/2016	116063/01	PR6456	Ducati Fuel Duc 30	1	2
24	21/04/2016	116063/02	PR6605	Ducati Fuel Duc 30	1	2
25	02/08/2016	116063/05	PR6697	Ducati Fuel Duc 50	1	2
26	09/09/2016	116063/06	PR6730	Ducati Fuel Duc 51	1	2
27	17/10/2016	116063/07	PR6795	Ducati Fuel Duc 30	1	2
28	20/02/2017	117138/01	PR6914	Ducati Fuel Duc 50	1	2
29	08/05/2017	117138/02	PR6980	Ducati Fuel Duc 30	1	2
30	08/05/2017	117138/03	PR6989	Ducati Fuel Duc 53	1	2
31	09/06/2017	117138/04	PR7042	Ducati Fuel Duc 53	1	2
32	11/07/2017	117138/05	PR7074	Ducati Fuel Duc 50	1	2
33	04/12/2017	117138/06	PR7219	Ducati Fuel Duc 53	1	2
34	06/02/2018	118039/01	PR7275	Ducati Fuel Duc 30	1	2
35	09/02/2018	118039/02	PR7308	Ducati Fuel	1	2
36	09/02/2018	118039/03	PR7313	Ducati Fuel	1	2
37	20/02/2018	118039/04	PR7324	Ducati Fuel	1	2
38	27/02/2018	118039/05	PR7331	Ducati Fuel	1	2
39	21/03/2018	118039/06	PR7361	Ducati Fuel	1	2
40	16/07/2018	118039/07	PR7519	Ducati Fuel	1	2
41	25/07/2018	118039/08	PR7531	Ducati Fuel	1	2
42	14/08/2018	118039/09	PR7557	Ducati Fuel	1	2
43	16/11/2018	118039/10	PR7652	Ducati Fuel	1	2
44	30/01/2019	119075/01	PR7674	Shell V-Power	1	2
45	13/05/2019	119075/02	PR7832	Ducati Fuel	1	2
46	05/08/2019	119075/03	PR7917	Ducati Fuel	1	2
47	24/12/2019	119075/04	PR8101	Ducati Fuel	1	2
48	29/01/2020	120070/01#01	PR8129	Ducati Fuel	1	2
49	06/07/2020	120070/03	PR8283	Ducati Fuel		2
50	10/08/2020	120070/04	PR8329	Ducati Fuel	1	2

Shell (2/2)

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
51	14/08/2020	120070/05#01	14/08/2020	Ducati Fuel	1	2
52	31/03/2021	121194/01#01	PR8569	Ducati Fuel	1	2
53	18/05/2021	121194/02	PR8672	Ducati Fuel		2
54	07/06/2021	121194/03	PR8694	Ducati Fuel	1	2
55	26/07/2021	121194/04	PR8749	Ducati Fuel	1	2
56	05/08/2021	121194/05	PR8820	Ducati Fuel	1	2

Showa Shell Sekiju

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
1	10/07/2014	114266/01			1	2

Slovakia Ring Agency

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
1	20/03/2018	118224/01		OMV MaxxMotion 100+	1	2

Soldà Vladimiro SpA (Wladoil)

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
1	27/05/2016	116466/01	16/05/04	WLADOGAS BB1	1	2

Total (1/3)

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
1	30/12/2011	111083/18	WSBK-FIM, 01220581U	MOTO 4TMAX, O1220561U	1	2
2	09/01/2012	112012/01	O1220559U	YMH48	1	2
3	01/03/2012	112012/03	P0120617U	MITS46	1	2
4	01/03/2012	112012/04	P0220640U	MITS42	1	2
5	07/03/2012	112012/05	P0220643U	Moto 4SGP	1	2
6	30/04/2012	112012/07	P0420713U	Moto 4SGP	1	2
7	31/05/2012	112012/08	P0520750U	YMH48	1	2
8	27/06/2012	112012/09	P0520756U	MITS 46	1	2
9	12/07/2012	112012/10	P0720847U	SPB MOTO 4T MAX	1	2
10	13/08/2012	112012/11	P0620824U	ESSENCE SP MITS 43	1	2
11	07/01/2013	113014/01	P1221076U	SPB HRC41	1	2
12	07/01/2013	113014/02	P1221064U	MOTO 4SGP	1	2
13	17/01/2013	113014/03 113014/07	P1221069U T0321199U	MOTO 4TMAX WSBK	1	2
14	17/01/2013	113014/04	P1221066U	YMH48	1	2
15	17/03/2013	113014/05	T0221130U	SP YMH48	1	2
16	17/03/2013	113014/06	T0221129G	MOTO 4TMAX	1	2
17	10/05/2013	113014/08	T0321200U	MOTO 4SGP	1	2
18	09/09/2013	113014/09	T0821415U	SPB HRC41	1	2
19	15/10/2013	113014/10	T0921520U	SPB HRC41	1	2
20	13/11/2013	113014/11 113014/12	T1021523U T1021523U	SZK34 SP 4THRC33	1	2
22	17/12/2013	113014/16	T1121601U	MOTO 4T YMH48	1	2
23	06/01/2014	114015/01	T1121610U	SPB HRC41	1	2
24	03/02/2014	114015/02	PCT120371U PCQ010325U	SPB MOTO 4TMAX WSBK-FIM	1	2
25	11/02/2014	114015/03	PCQ010240U	SPB MOTO 4SGP	1	2
26	20/02/2014	114015/04	PCQ010236U	SP YMH48	1	2
27	14/04/2014	114015/05	PCQ040134G PCQ040211	SPB MOTO 4TMAX WSBK-FIM T50L	1	2
28	19/05/2014	114015/06	PCQ040116U	SPB HRC41	1	2
29	23/05/2014	114015/07	PCQ030232G PCQ050131G	SPB MOTO 4TMAX WSBK-FIM	1	2
30	02/06/2014	114015/08	PCQ050143U	SP YMH48	1	2
31	27/06/2014	114015/09	PCQ060147U	SPB MOTO 4SGP	1	2
32	31/07/2014	114015/13	PCQ070079U	SPB HRC41	1	2
33	22/08/2014	114015/15	PCQ060192G PCQ080194G	SPB MOTO 4TMAX WSBK-FIM	1	2
34	23/09/2014	114015/22	PCQ090232U	SZK34	1	2
35	16/12/2014	114015/23	PCQ100382U	SPB HRC41	1	2
36	07/01/2015	115017/01	PCQ120216U	SZK34	1	2
37	14/01/2015	115017/02	PCQ120252U	YMH48	1	2
38	18/02/2015	115017/03	PCZ020169U	MOTO 4SGP	1	2
39	10/07/2015	115017/04	PCZ060345 PCZ060291	MOTO 4TMAX WSBK-FIM	1	2
40	11/08/2015	115017/05	PCZ070267U	YMH48	1	2
41	14/09/2015	115017/06	PCZ090168U	HRC41	1	2
42	30/09/2015	115017/07	PCZ090304U	Moto 4SGP	1	2

Total (2/3)

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
43	22/12/2015	115017/08	PCZ110339U	SZK34	1	2
44	22/12/2015	115017/09	PCZ090305U	SPB MOTO 4SGP	1	2
45	22/12/2015	115017/10	PCZ120176G	MOTO 2 FIM	1	2
46	12/01/2016	116060/01	PCZ120373U	MOTO 4SGP	1	2
47	23/02/2016	116060/02	PCS020149U	YMH48	1	2
48	03/03/2016	116060/03	PCS020288U	MOTO 4SGP	1	2
49	31/03/2016	116060/04	PCS030155U	SZK34	1	2
50-51	05/04/2016	116060/05	PCS030327 + PCS030328	MOTO 4T MAX + WSBK-FIM	1	2
52	10/05/2016	116060/06	PCS040330U	SPB MOTO 4SGP	1	2
53	14/06/2016	116060/07	PCS050314U	MITS46	1	2
54	22/07/2016	116060/08	PCS060244U	SZK34	1	2
55	27/07/2016	116060/09	PCS070136G	SPB MOTO 4SGP	1	2
56	31/08/2016	116060/10	PCS080240U	SBP HRC41	1	2
57	08/09/2016	116060/11	PCS080332	SPB MOTO 4T MAX	1	2
58	08/09/2016	116060/11	PCS080333	WSBK-FIM	1	2
59	14/12/2016	116060/12	PCS110336U	HRC41	1	2
60	30/12/2016	117012/01	PCS1202616U	SPB MOTO 4SGP	1	2
61	30/12/2016	117012/02	PCS120465U	SZK 34	1	2
62	03/02/2017	117012/03	PCE010121G	ELF MOTO 2 FIM	1	2
63	03/02/2017	117012/03	PCE010121G	TOTAL MOTO 2 FIM	1	2
64	24/02/2017	117012/04	PCE010368U	SPB MOTO 4T MAX	1	2
65	24/02/2017	117012/04	PCE020215	WSBK-FIM	1	2
66	09/03/2017	117012/05	PCE0201799G	Moto 4SGP	1	2
67	09/03/2017	117012/06	PCE030052U	YMH48	1	2
68	04/05/2017	117012/07	PCE040329U	SZK46	1	2
69	18/05/2017	117012/08	PCE040292U	MOTO 4SGP	1	2
70	26/05/2017	117012/09	PCE040261U	HRC41	1	2
71	07/06/2017	117012/10	PCE050235U	SZK34	1	2
72	22/09/2017	117012/11	PCE080094U	MITS46	1	2
73	06/10/2017	117012/12	PCE090297U	MOTO 4SGP	1	2
74	15/12/2017	117012/13	PCE110351U	SZK34	1	2
75	01/02/2018	117012/14	PCE120271U	APL03	1	2
76	01/02/2018	118013/01	PCE120284U	HRC41	1	2
77	05/02/2018	118013/02	PCE120376U	MOTO 4SGP	1	2
78	08/02/2018	118013/03	PCE120378U	YMH48	1	2
79	08/02/2018	118013/04	PCH010065G	ELF MOTO 2 FIM	1	2
80	09/04/2018	118013/05	PCH030291G	ELF MOTO 2 FIM	1	2
81	30/04/2018	118013/07	PCH040203U	MOTO 4SGP	1	2
82	09/05/2018	118013/08	PCH050144U	APL03	1	2
83	09/05/2018	118013/09	PCH050163P	APL03	1	2
84	04/06/2018	118013/10	PCH050294U	SZK46	1	2
85	29/06/2018	118013/11	PCH050362U	Moto 4SGP	1	2
86	08/08/2018	118013/16	PCH080204U	APL03	1	2
87	16/08/2018	118013/17	PCH080148U	YMH48	1	2
88	16/08/2018	118013/17	PCH080487	APL02	1	2
89	12/09/2018	118013/18	PCH080141U	Moto 4SGP	1	2
90	10/12/2018	118013/19	PCH100529U	Moto 4SGP	1	2

Total (3/3)

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
91	09/01/2019	119022/01	PCH110243G	ELF MOTO 2 FIM	1	2
92	01/02/2019	119022/02#01	PCF010098G	ESSENCE SPB MOTO 4SGP	1	2
93	26/02/2019	119022/05	PVF020242U	Essence SP YMH48	1	2
94	13/03/2019	119022/06	PCF020373U	SZK48	1	2
95	17/04/2019	119022/08	PCF040238U	APL02	1	2
96	29/05/2019	119022/09	PCF050286U	YMH48	1	2
97	11/06/2019	119022/10	PCF050313U	MOTO 4SGP	1	2
98	18/07/2019	119022/11	PCF070179U	MOTO 4SGP	1	2
99	05/08/2019	119022/12	PCF070373U	MOTO 4T MAX	1	2
100	19/08/2019	119022/13	PCF070414U	APL02	1	2
101	19/08/2019	119022/14	PCF080079	WBSK-FIM	1	2
102	10/12/2019	119022/15	PCF120187U-GC	YMH48	1	2
103	13/12/2019	119022/16	PCF120134G	MOTO 4SGP	1	2
104	27/12/2019	119022/17	PCF110267U	MITS46	1	2
105	09/03/2020	120050/12	PCV020291U	ELF 4S FIM EVOX		2
106	09/03/2020	120050/13	PCV020392U	APL05	1	2
107	25/05/2020	120050/14#01	PCV040144U	Essence SPB YMH48	1	2
108	21/07/2020	120050/15	PCV070214U	ELF 4S FIM EVOX	1	2
109	31/07/2020	120050/17	PCV070412	APL05	1	2
110	11/08/2020	120050/18	PCV070408G	ELF MOTO2 FIM	1	2
111	25/08/2020	120050/19	PCV070431U	ELF 4S FIM EVOX	1	2
112	30/09/2020	120050/20	PCV090122U	Essence SP YMH48	1	2
113	13/11/2020	120050/21	PCV100391U	ELF 4S FIM EVOX		2
114	22/02/2021	121131/01	PCU020095U	Essence SPB MOTO 4SGP	1	2
115	22/02/2021	121131/02	PCU020136U	Essence SP YMH48	1	2
116	24/03/2021	121131/04	PCU030021G	ELF MOTO 2 FIM	1	2
117	26/04/2021	121131/07	PCU040311U	ELF 4S FIM EVOX		2
118	14/05/2021	121131/08	PCU040289	APL05	1	2
119	06/07/2021	121131/13	PCU060378U	Essence SP YMH48	1	2
120	/2021	121131/14#01	PCU050322U	Essence SPB MOTO 4SGP	1	2
121	22/07/2021	121131/15	PCU070208U	ELF 4S FIM EVOX		2

VP Racing Fuels

N°	Sample incoming	Dossier	Batch/Lot	Reference	Category	
1	28/05/2015	115205/01	128/15	VP Moto		2
2	31/08/2018	118649/01	242/18	VP Moto		2
3	11/04/2019	119078/03	#053/19	VP MGP	1	2



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