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1. General

This specification exceeds the legal requirements and describes the most suitable lubricating oil for AGCO Power engines. For the most part, specification follows API and ACEA classes with few exceptions. Any oil manufacturer is eligible to apply for endorsement. This document contains corporate confidential information and may not be shared outside of your organization.

2. Applications

Lubricant described in this specification can be used in following engine models and emission levels. Oil change intervals and other maintenance information according to application operator's manual.

Engine Type	Emission level
AGCO Power 33HD and MD	EU Stage IIIB, StageIV and StageV EPA Tier4i and Tier4F
AGCO Power 44HD and MD	
AGCO Power 49HD	
AGCO Power 66HD	
AGCO Power 74HD	
AGCO Power 84HD	
AGCO Power 98HD	

3. Technical Properties of oil

To fulfill the specification, lubricant must meet following properties stated in table 1.

Table 1

Property	Unit		AGCO Power Requirement	Test Method
SAE Grade			5W-40 10W-40 15W-40	
API Class			CK-4 CJ-4	
ACEA Class			E9 or E11	
Flash Point	°C min		180	ASTM D 92
TBN	mg KOH/g min		9	ASTM D 2896
Phosphorus	ppm min		850	ASTM D 5185
Zinc	ppm min		900	ASTM D 5185

4. Product information

Documentation including following information stated in table 2 must be supplied to AGCO Power before an approval.

Table 2

Property	Unit		Test Method	
API class				
ACEA class				
SAE grade				
Kinematic viscosity @40°C	mm ² /s		ASTM D445	
Kinematic viscosity @100°C	mm ² /s		ASTM D445	
Flash point	°C		ASTM D92	
TBN	mg KOH/g		ASTM D2896	
Ash level	%		ASTM D874	
Phosphorus	ppm		ASTM D5185	
Zinc	ppm		ASTM D5185	
Pour point	°C		ASTM D97	

5. Endorsement process

Oil manufacturer shall provide values stated in table 2 to AGCO Power engineering. A sample of 1000ml of oil shall be delivered to AGCO Power engineering for testing. Endorsement process may contain fees. After technical properties are agreed and tests executed, AGCO Power will inform the result (pass/fail).

Upon successful completion of the process, oil shall receive a written endorsement which shall be signed by both parties, oil manufacturer and AGCO Power. Product which is endorsed according to this process, can be designated "AGCO Power LOCC-G1".

All data provided by oil manufacturer will be treated as confidential information.

6. Modification of endorsed oil

Should AGCO Power plan to introduce a change to the specification or oil manufacturer to the endorsed oil, parties shall communicate such modification promptly. Depending on a type of a change, this may lead to a new endorsement process.

7. Contact information

In LOCC-G1 related matters, please contact:

Sales.AGCOPower@agcocorp.com