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3. FORMULATION AND PROPERTIES

	Formulation	Formulation	Formulation
Formulation Identifier (must match Section 3 of related Part B)			
Additives Identification Code			
ID Detergent Inhibitor (DI) Additive Package			
ID Booster (Only if Added Separate to DI Additive)			
ID Viscosity Index Improver			
ID Pour Point Depressant			
Additives, mass %			
Total Detergent, Inhibitor (DI) Additive Package			
Total Booster (Only if Separate to DI Additive)			
Total Dispersant Viscosity Index Improver			
Total Non-Dispersant Viscosity Index Improver			
Total Pour Point Depressant			
<input checked="" type="checkbox"/> Check Mark for Base Oils Approved per Formulation (Mfg. & API Group – e.g. ABC Inc. Group II & Group III)			
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If API Base Oil Interchangeability Guidelines (Appendix E) Were Used for Support of Formulation, List Engine Tests where applied (e.g. T-12, VG)			
If API Viscosity Grade Read Across Guidelines (Appendix F) Were Used for Support of Formulation, List Engine Tests where applied (e.g. T-12, VG, or Table F-1-Technical Principles)			
Was STM Used (Appendix R API Guidelines for Use Of Single Technology Matrix)			
List One "Formulation/Stand Code" for Applicable Sequence III Engine Test Supporting the "S" or "C" Category Claim for Each Formulation			
List One "Formulation/Stand Code" Supporting Sequence VIB - Energy Conserving Claim Or Sequence VID - Resource Conserving Claim			
Submit for API SN-Resource Conserving /GF-5 Only			
Sequence IIIGA ASTM D4684 Temperature, °C			
OR ROBO ASTM D7528 MRV Vis., cP			

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	Formulation	Formulation	Formulation
Elemental analysis, wt.% Report in wt. % (800 ppm by wt. = 0.08 wt.%) Report typical single values; Do not report ranges Values required if the element was deliberately added to enhance performance.			
Zinc (Zn) (ASTM D4951)			
Calcium (Ca) (ASTM D4951)			
Magnesium (Mg) (ASTM D4951)			
Sodium (Na) (ASTM D4951)			
Copper (Cu) (ASTM D4951)			
Nitrogen (N) (ASTM D3228 or D5762)			
Boron (B) (ASTM D4951)			
Molybdenum (Mo) (ASTM D4951)			
Phosphorus (P) (ASTM D4951)			
Sulfur (S) (ASTM D4951 or D2622)			
Other _____ (ASTM D4951)			
Finished Oil Physical Properties and Test Methods (Target Value for Each Formulation)			
Total Base Number (ASTM D2896), mg KOH			
Viscosity at 100°C (ASTM D445), cSt			
Cold Cranking Simulator (ASTM D5293), cP			
Mini-Rotary Viscometer (ASTM D4684), cP			
NOACK Volatility (ASTM D5800), mass % lost			
High Temperature High Shear Rate Viscosity (ASTM D4683), mPa·s HTHS ₁₅₀			
Submit for API SN-Resource Conserving /GF-5 Only High Temperature High Shear Rate Viscosity (ASTM D6616), mPa·s HTHS ₁₀₀			

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4. CERTIFICATION

This Part Q must be completed by all companies manufacturing oil to be licensed by API and signed by an officer or designated individual of the manufacturing company certifying that the information provided is accurate and representative of the engine oil that will be marketed under the API license and that test results are available to support the performance categories claimed.

THIS CERTIFICATION IS BEING MADE BY (CHECK ONLY ONE):

- Company Manufacturing and Marketing the engine oil
- Company Manufacturing a licensable engine oil in support of license application by a Company marketing the oil

I understand that these values may be used by API for conformance audit purposes. I certify that the information contained in all sections of Part Q is accurate and representative of the engine oil that was tested and representative of the product that will be marketed under the API license.

I attest that the products specified on this Part Q have been tested in accordance with, and met all applicable requirements of, the latest versions API 1509, SAE J 300, ASTM D4485, and the American Chemistry Council Petroleum Additives Panel Product Approval Code of Practice,. Additionally, I attest that all engine and bench tests necessary to document the performance categories claimed have been passed and have been generated using ASTM/American Chemistry Council calibrated instruments when applicable.

Company: _____

Street Address: _____

City: _____ State: _____ Postal Code: _____

Country: _____

Signature of Authorized Officer _____ Date: _____

Printed Name of Authorized Officer _____

Telephone: _____ Fax: _____

E-mail: _____