

Revised: 01-SEP-11

AMERICAN PETROLEUM INSTITUTE ENGINE OIL LICENSING AND CERTIFICATION SYSTEM (EOLCS)



PART Q— LICENSED PRODUCT TEST SUPPORT

Complete a separate Part Q for every brand name, every service category and every viscosity grade proposed for licensing under the EOLCS licensing process. Whenever any information is changed, a new Part Q must be submitted. All data are confidential and held only by API.

1. MANUFACTURING Company name	OMPANY INFORM	ATION	APII	_icense no			
. ,			· · · · · · · · · · · · · · · · · · ·	(if	curre	ntly licensed	by API)
Viscosity grade (per mos	t recent version of S	SAE J300))	 			
This Part Q is for:							
☐ Product Marketed	by Manufacturing (Compan	y and Described ir	n Part B, Sect	ion 1	I	
☐ Support of License	Application Subm	nitted by	:				
			(Name of Oil N	/larketer Requ	estin	g API Licen	se)
The API Licensing Agree Category/Categories clayour company or the m	aimed above. Plea	se indic	ate the name and	contact inforr			
Contact Name:							
Telephone No.:							
Contact E-Mail:							
2. LICENSABLE ENGIN	IE OIL PERFORMA	NCE CA	TEGORIES				
API "S" Service Catego	-	-	uirements in latest v	ersion of API	1509	Check only	one one
□SN □SM □	ISL □SJ	☐ SH	if preceded by a "C" cate	gory in the API S	anvica	Symbol)	
		(SIT OIII)	ii preceded by a C cate	gory in the Arrio	ei vice	Gyllibol)	
Energy Conserving Cl	aims - Sequence VI	IB Test N	Method ASTM D683	7		Yes	□ No
Resource Conserving Sequence IIIGB Test Mo						Yes	□ No
API Certification Mark	to be Displayed -	ILSAC G	F-5 specification			Yes	□ No
ROBO or Sequence IIII standard, the licensee cert depressant and base stock or Sequence IIIGA tests su	tifies that the licensed t k(s), including Base Oi	formulation	on contains the same	oour point		Yes	□ No
API "C" Service Catego (Check all that apply)	ory – In Accordance	e with re	quirements in late	st version of	AST	M D4485/A	PI 1509
□ CJ-4 □ CI-4 □] CH-4						
CI-4 PLUS Designation	- Per API 1509					Yes	□ No
Mack T-11 Conformance (Check one that applies)	e: 🗆 T-11 Tes	st	☐ Mack EO-N Pre	mium Plus '03		☐ Mack F	Review

Note: If the T- 11 or EO-N P remium Plus '03 box is checked, marketer must maintain nec essary documentation on file (for example, T-11 test results as required by Appendix S or letter confirming Mack EO-N Premium Plus '03 approval). If the Mack Review box is checked, Part F must be completed, signed by Mack and the oil marketer, and submitted with this Part Q form.



Part Q - Page 1 of 4

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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			
☑ Check Mark for Base Oils Approved per Form	nulation (Mfg. & API	Group – e.g. ABC Inc	. Group II & Group III)
1.			
2.			
3.	П		
4.			
5.	<u> </u>	ᆜ	
6.	Ш	Ц	Ц
7.			
8.			
9.			
10.			
If API Base Oil Interchangeability Guidelines	<u> </u>	<u> </u>	
(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 Te	st Methods (Target	Value for Each Fo	rmulation)
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 eng ine oil that will be marketed under the API license and that test results are available to support the performance categories claimed.

THIS CERTIFICATIO	N IS BEING MADE BY (CHECK ONLY ONE):	
☐ Company	Manufacturing and Marketing the engine oil	
☐ Company marketing	Ma nufacturing a licen sable e ngine oil in support of lice r g the oil	nse application by a Company
information contained	se values m ay be u sed by API for conformance au dit in all sections of Part Q is a ccurate and representative of the product that will be marketed under the API license.	
requirements of, the la Petroleum Additives F tests necessary to do	ucts specified on this Part Q have been tested in accordanatest versions API 1509, SAE J 300, ASTM D4485, and the Panel Product Approval Code of Practice,. Additionally, I a cument the performance categories claimed have been pass in Chemistry Council calibrated instruments when applicable	le American Chemistry Council ttest that all engin e and bench ssed and have been generated
Company:		
Street Address:		
City:	State:	Postal Code:
Country:		
Signature of Authorized Officer		Date:
Printed Name of Authorized Officer		
Telephone:	Fax:	
E-mail:		