

To: API Lubricants Group  
Cc: Lubricants Group Mailing List  
API

## **Ballot for API SP and API SP with Resource Conserving User Language**

On April 4, 2019 the Lubricants Standards Group (LSG) reviewed “API SP and API SP with Resource Conserving User Language”.

SP and API SP with Resource Conserving User Language is given below and in the Electronic Ballot Attachment 1.

### **API SP and API SP with Resource Conserving User Language**

#### **5.X.X.X SP—2020 Gasoline Engine Warranty Maintenance Service**

API Service Category SP was adopted for use in describing engine oils available in 2020. These oils are for use in service typical of gasoline engines in current and earlier passenger cars, sport utility vehicles, vans, and light-duty trucks operating under vehicle manufacturers’ recommended maintenance procedures. Vehicle owners and operators should follow their vehicle manufacturer’s recommendations on engine oil viscosity and performance standard.

Engine oils that meet the API Service Category SP designation (see Annex G, Table G-X) may be used where API Service Category SN and earlier S categories have been recommended.

Engine oils that meet the API Service Category SP designation have been tested in accordance with the ACC Code and may use the API Base Oil Interchangeability Guidelines and the API Guidelines for SAE Viscosity-Grade Engine Testing (see Annexes E and F).

Engine oils that meet these requirements may display API Service Category SP in the upper portion of the API Service Symbol beginning May 1, 2020.

#### **5.X.X.X.X Resource Conserving in Conjunction with API Service Category SP**

API Service SP engine oils designated as Resource Conserving are formulated to help improve fuel economy and protect vehicle emission system components in passenger cars, sport utility vehicles, vans, and light-duty trucks powered by gasoline engines. These oils have demonstrated a fuel economy improvement (FEI) in a specific sequence test at the percentages listed in Table 1 when compared with a baseline oil (BL). Additionally, these oils have demonstrated in other tests listed in Table 1 that they provide greater emission system and turbocharger protection and help protect engines when operating on ethanol-containing fuels up to E85.

Many previous S Categories made reference to “Energy Conserving,” but this reflected an emphasis on fuel-economy performance alone. Resource Conserving in conjunction with API SP focuses on fuel economy, emission system and turbocharger protection, and compatibility with ethanol-containing fuel up to E85.

Starting May 1, 2020, oils that have passed the tests at the limits shown in Table X and are properly licensed by API may display “Resource Conserving” in the lower portion of the API Service Symbol in conjunction with API Service SP in the upper portion. The fuel economy and other resource conserving benefits obtained by individual vehicle operators using engine oils labeled Resource Conserving may differ because of many factors, including the type of vehicle and engine, engine manufacturing variables, the mechanical condition and maintenance of the engine, oil that has been previously used, operating conditions, and driving habits. Before the May 1, 2020, introduction date, oil marketers may license oils meeting Resource Conserving in conjunction with API Service SP as Energy Conserving in conjunction with API Service SN.

**Table 1—Resource Conserving Primary Performance Criteria with  
API Service Category SP**

| Performance Test   | Performance Criteria            |                                       |
|--|---------------------------------|---------------------------------------|
| Sequence VIE (ASTM D8114) <sup>a</sup>   |                                 |                                       |
| Viscosity Grade  | FEI SUM                         | FEI2 minimum after<br>125 hours aging |
| XW-20  | 3.8%                            | 1.8%                                  |
| XW-30  | 3.1%                            | 1.5%                                  |
| 10W-30 and all other viscosity grades<br>not listed above                      | 2.8%                            | 1.3%                                  |
| Sequence VIF (ASTM D8226) <sup>a</sup>   |                                 |                                       |
| Viscosity Grade  | FEI SUM                         | FEI2 minimum after<br>125 hours aging |
| XW-16  | 4.1%                            | 1.9%                                  |
| Sequence IIIHB (ASTM D8111)  | 81% phosphorus retention<br>min |                                       |
| Emulsion Retention (ASTM D7563)  | No water separation             |                                       |
| High Temperature Deposits, TEOST 33C<br>(ASTM D6335), Total Deposit Weight, mg |                                 |                                       |
| SAE XW-16, 0W-20   | Not Required                    |                                       |
| All other viscosity grades   | 30 max                          |                                       |

<sup>a</sup>Viscosity grades are limited to 0W, 5W and 10W multigrade oils.

After review and discussion, the LSG agreed by voice vote to **Ballot API SP and API SP with Resource Conserving User Language**. The Motion to Ballot SP User Language is given below and in the Ballot Attachment.

**Motion**

Ballot API SP and API SP with Resource Conserving User Language

- Motion by: Mike Alessi
- Second by: Bill O’Ryan
  - Affirmative: 16
  - Negative: 0
  - Abstain: 0

**Motion Passed**

Lubricants Group Members should use the API Ballot System to cast their vote and make comments. The Ballot Link is: <http://Ballots.api.org>. The Lubricants Group Member votes will be counted, and all received comments reviewed and considered before the ballot results are final.

Non-Lubricants Group Members should comment on the Ballot Motion using the Ballot system. The Ballot Link is: <http://Ballots.api.org>. All comments on the Ballot Motion will be reviewed before the ballot results are final.

This Ballot will close on May 6, 2019. All Votes and/or Comments must be received by that date. If approved the balloted change will be effective as of April 4, 2019.

# Attachment 1

## Draft API SP and API SP with Resource Conserving User Language

### 5.X.X.X SP—2020 Gasoline Engine Warranty Maintenance Service

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