



**GO BEYOND**

P&WC 11524 (2020-06) MRO Information Management (9290)

S.I.L. NO. GEN-153R6

This document contains no technical data.

# SERVICE INFORMATION LETTER

## WARNING - PROPRIETARY RIGHTS NOTICE

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Subject: **P&WC's Oil Analysis Technology Service Logistics Information**

Applicability: **All P&WC Engine Models**

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The purpose of this Service Information Letter is to inform operators of the logistic instructions for the P&WC's Oil Analysis Technology Service.

This SIL revision is issued to include new kit part numbers in Table 1.

The service is now available for purchase for the engine models mentioned in Table 1.

For information related to engine models not listed in Table 1 and which are still under the free Oil Analysis Technology Trial, please refer to P&WC SIL GEN-143.

### **P&WC's Oil Analysis Technology description**

Combined with existing oil-system monitoring tools, such as the chip detector and oil filter analysis, this innovative technology provides the most comprehensive view on the health of your oil-wetted components. Based on oil samples collected from the engine, P&WC's Oil Analysis Technology can trend oil-wetted components health and in some cases, associate the wear patterns of oil-wetted specific components to their stage of deterioration.

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REVISED: 30-Oct-2020

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By providing deep insights into the health and operation of your engines without intrusive inspection, our Oil Analysis Technology Solution delivers a proactive and preventive maintenance environment – effectively helping you maximize aircraft availability.

### **P&WC's Oil Analysis Technology sampling procedure**

For detailed instructions, the P&WC's Oil Analysis Technology sampling procedures are published in the P&WC Engine Maintenance Manual or respective Instruction for Continued Airworthiness (ICA).

NOTE: P&WC's Oil Analysis Technology is a trending service and is not to be applied for the purposes of establishing engine serviceability, unless otherwise specified by the applicable Engine Maintenance Manual. No customer should be AOG while waiting on P&WC's Oil Analysis Technology kits or results. Refer to the Engine Maintenance Manual for recommendations on Continued Airworthiness.

NOTE: P&WC's Oil Analysis Technology is complementary to oil filter/chip analysis per Engine Maintenance Manual. Oil filter debris and chip analysis can be done in any independent laboratory listed in SIL GEN-123. Only P&WC's Oil Analysis Technology program samples must be sent to Gastops.

### **P&WC's Oil Analysis Technology Package purchase**

Each P&WC's Oil Analysis Technology Package purchased includes the following:

1. One oil sampling kit

NOTE: The P&WC's Oil Analysis Technology oil sampling kit contains all the items necessary to collect the oil sample, and a padded envelope for free of charge shipment to the laboratory.

2. The following services

- High Precision Oil Debris Analysis and report for components such as bearings, seals and gears
- Oil Properties Analysis and report including TAN (Total Acid Number) and water content
- Support for collecting the oil sample
- Detailed reports on key components health indicators
- Maintenance recommendations by one of our expert

- a- For non-ESP purchases

To purchase P&WC's Oil Analysis Technology Package, log into the MyP&WC Power customer portal (<http://customer.pwc.ca>) and from the "Buy Online" menu, select "Digital Engine Services" option. Enter your engine model in the "Shop by Engine" search field to get the model-specific package content and purchase information.

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b- For ordering when included in ESP

Oil sampling kits can be ordered by creating an ESP Work Authorization (WA) request by logging into the MyP&WC customer portal (<http://customer.pwc.ca>) and selecting ESP Program Work Authorizations on the Services menu. P&WC is also providing an automatic replenishing option following the initial order.

NOTE: Order placed after 11:00 AM EST will be shipped the following business day.

**P&WC's Oil Analysis Technology sample shipment**

Analysis of the oil sample will be performed by Gastops in Canada.

To ship the oil sample to Gastops, place the oil sample and the populated Form 12178 or 12233 in the padded envelope with the Air Waybill and the populated Commercial Invoice. Then dispatch through the local FedEx contact.

NOTE: Oil sample return shipping costs have been prepaid and appropriate documentation is included in the package. For more information about shipping, please refer to the shipping instructions included with the kit.

The destination address, pre-populated on the Air Waybill, is the following:

GASTOPS  
P&WC's Oil Analysis Technology  
146A Glencoe Dr., Mount Pearl, NL,  
Canada, A1N 4S9

**P&WC's Oil Analysis Technology Reports & Recommendations**

Standard analysis turn-around time is 2 business days after sample reception at the laboratory

Oil analysis reports and recommendations will be progressively available through the MyP&WC Power customer portal (<http://customer.pwc.ca>) under the "Fleet" menu, then select "Oil Analysis Technology".

NOTE: Oil analysis results will be sent through email as a PDF attachment until the reports and recommendations features are entirely available on the P&WC Customer Portal.

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**P&WC's Oil Analysis Technology Service applicability and part numbers**


Table 1: P&WC's Oil Analysis Technology applicability and part numbers

Engine model applicability	P/N for non-ESP		P/N for ESP only
	Service P/N	Kit P/N	Kit P/N
PT6A-114/114A/140	3134819	N003212	N003441
PT6A-34/64/66D	3134819	N003212	N003441
PT6A-62/67B/67P	3134819	N003212	N003441
PT6C-67C/E	3134829	N003107	N004111
PT6E-67XP	3134819	N003212	N003441
PT6T-3/3B/3BE/3BF/3BG	3136582	N004189	N004227
PT6T-3D/3DE/3DF	3136582	N004189	N004227
PT6T-6/6B	3136582	N004189	N004227
PT6T-9	3136582	N004189	N004227
PW206A/B/B2/B3/C/E	3134830	N003077	N004588
PW207C/D/D1/D2/E/K	3134830	N003077	N004588
PW210A/S	30L1492	N004170	N004219
PW306A	3134817	N003158	N003425
PW306C/PW306D/PW306D1	3134831	N003131	N003573
PW307A/PW307D	3134832	N003166	N003603
PW308A/PW308C	3135617	N003263	N003611
PW535A/PW535B	3135618	N003271	N003638
PW535E	3135619	N003298	N003646
PW545A/B/C	3135620	N003301	N004103
PW615F-A	3135621	N003328	N003654
PW617F-E/PW617F1-E	3134818	N003204	N003433

NOTE: If your engine model is not listed in the above tables, it is still under the free Oil Analysis Technology Trial, please refer to P&WC SIL GEN-143.

Should you have any additional questions, do not hesitate to contact P&WC's Oil Analysis Technology team by email at [oil.technology@pwc.ca](mailto:oil.technology@pwc.ca) or your local Field Support Representative (FSR).

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Frédérique Richard  
Senior Manager  
Oil Analysis Technology

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