



**Galaxy Aerospace**

maintenance . repair . overhaul



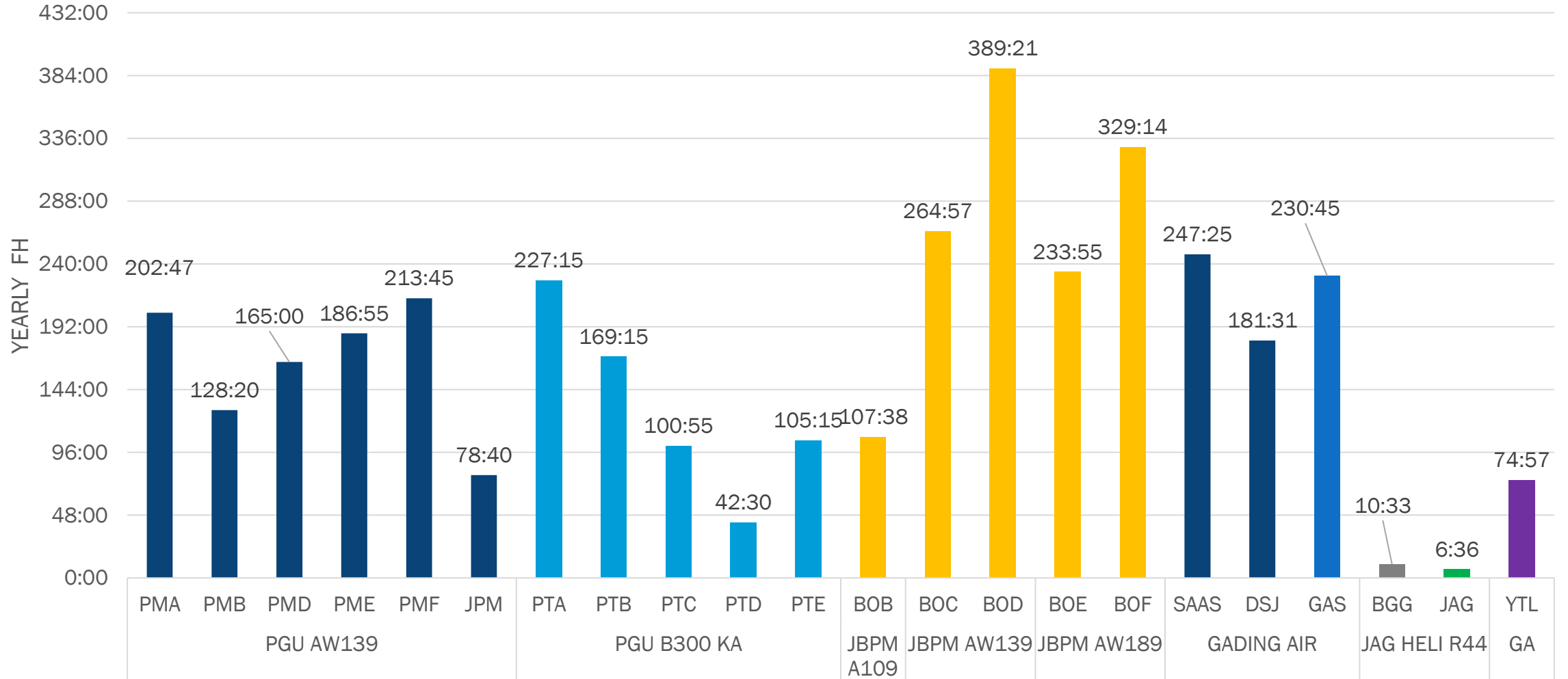
# EXECUTIVE SUMMARY

## ANNUAL RELIABILITY REPORT 2022

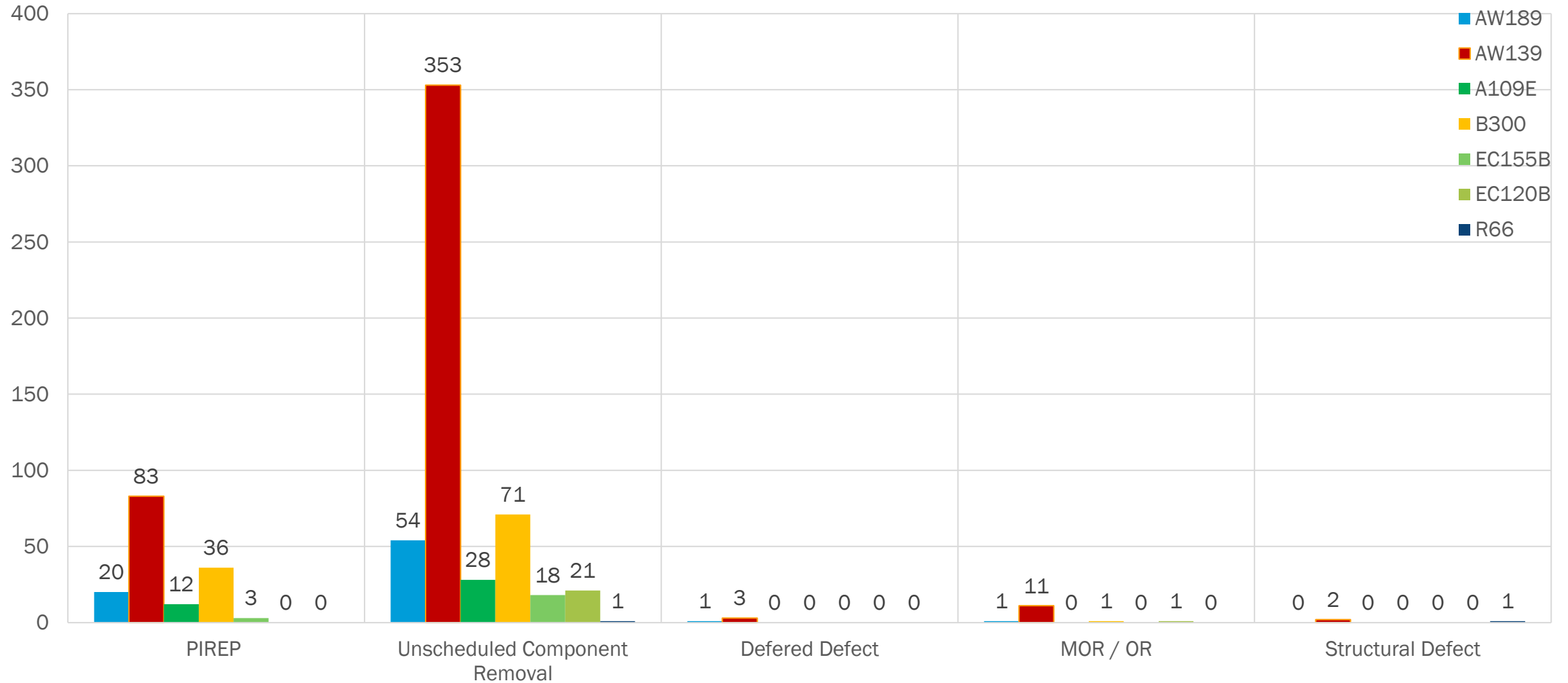
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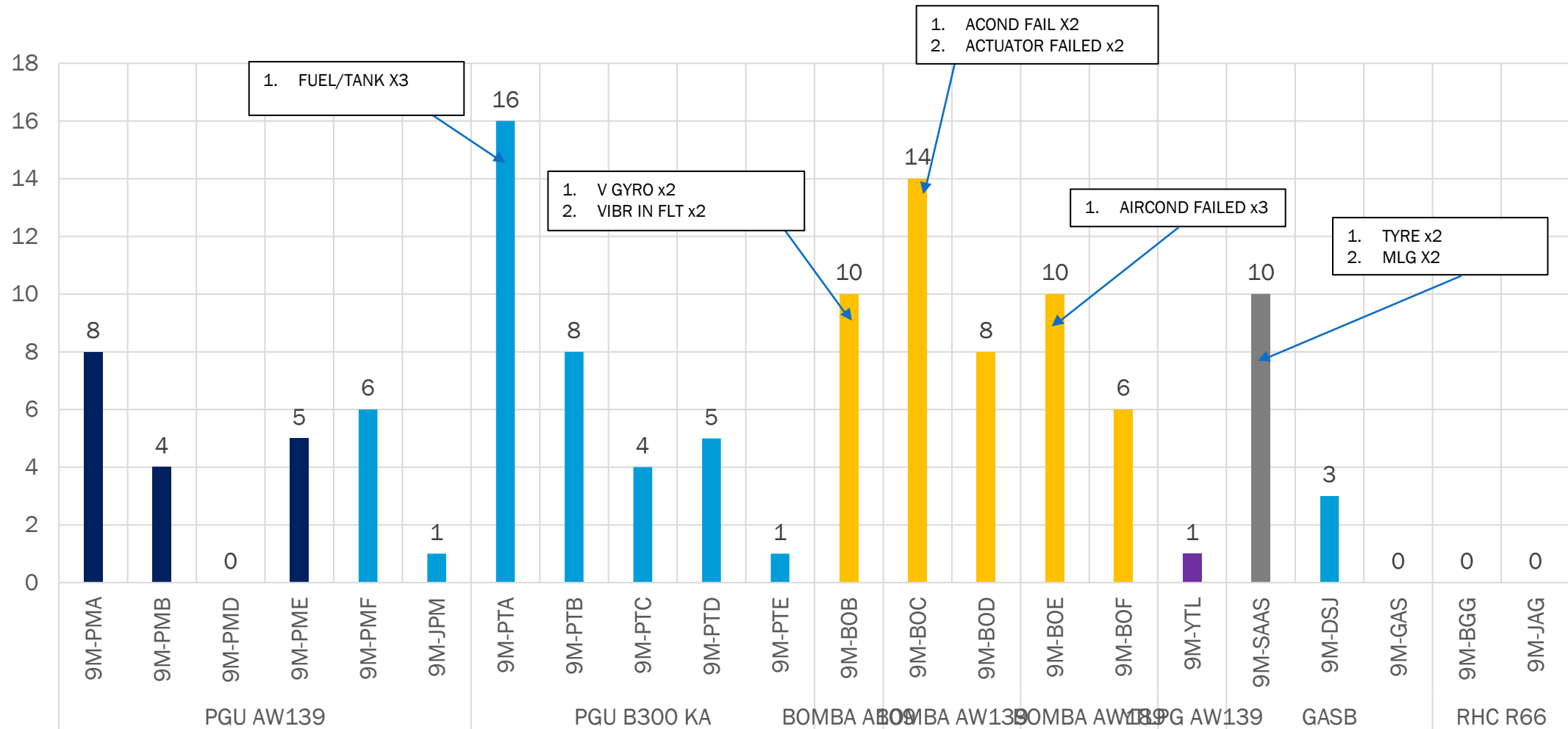
# 1.0. SUMMARY OF 2022: FLEET FLIGHT HOUR UTILISATION



# 2.0. SUMMARY OF 2022: RELIABILITY REPORT



# 3.0. SUMMARY OF 2022: PILOT REPORT per AC



# 4.0. SUMMARY OF 2022: TOP UNSCHEDULED COMPONENT REMOVAL

AW139

NO.	PN	DESCRIPTION	NO. OF UNSCHEDULED REMOVAL
1	DR9841T / DR19822T	MAIN TYRE	39
2	3G6230A03633 / 3G6230A01132	LOWER AND UPPER ROD END	24
3	7036350-802	DISPLAY UNIT(MFD)	14
4	A537A01AA01-0210	CABLE LIGHTING CONDUCTOR ASSY	11
5	1865-42	PCM FILTER	8
6	3G6430A02353	TAIL ROTOR SCISSOR COUPLING	6
7	7025725-945	MCDU	6
8	M8815/6-10	FILTER ELEMENT	4
9	3G6320200251	HYDAULIC PUMP SEAL	4
10	3G6430A00335	HALF SCISSOR ASSY	2

# 4.0. SUMMARY OF 2022: TOP UNSCHEDULED COMPONENT REMOVAL

## AW189

NO.	PN	DESCRIPTION	NO. OF UNSCHEDULED REMOVAL
1	8G2150V02451	AIRCOND	5
2	A537A03AA03-0265	LIGHTNING CONDUCTOR JUMPER	3
3	3G6220A07331	LIGHTNING CONDUCTOR JUMPER	3
4	CH34419	IGNITER PLUG	3

## A109E

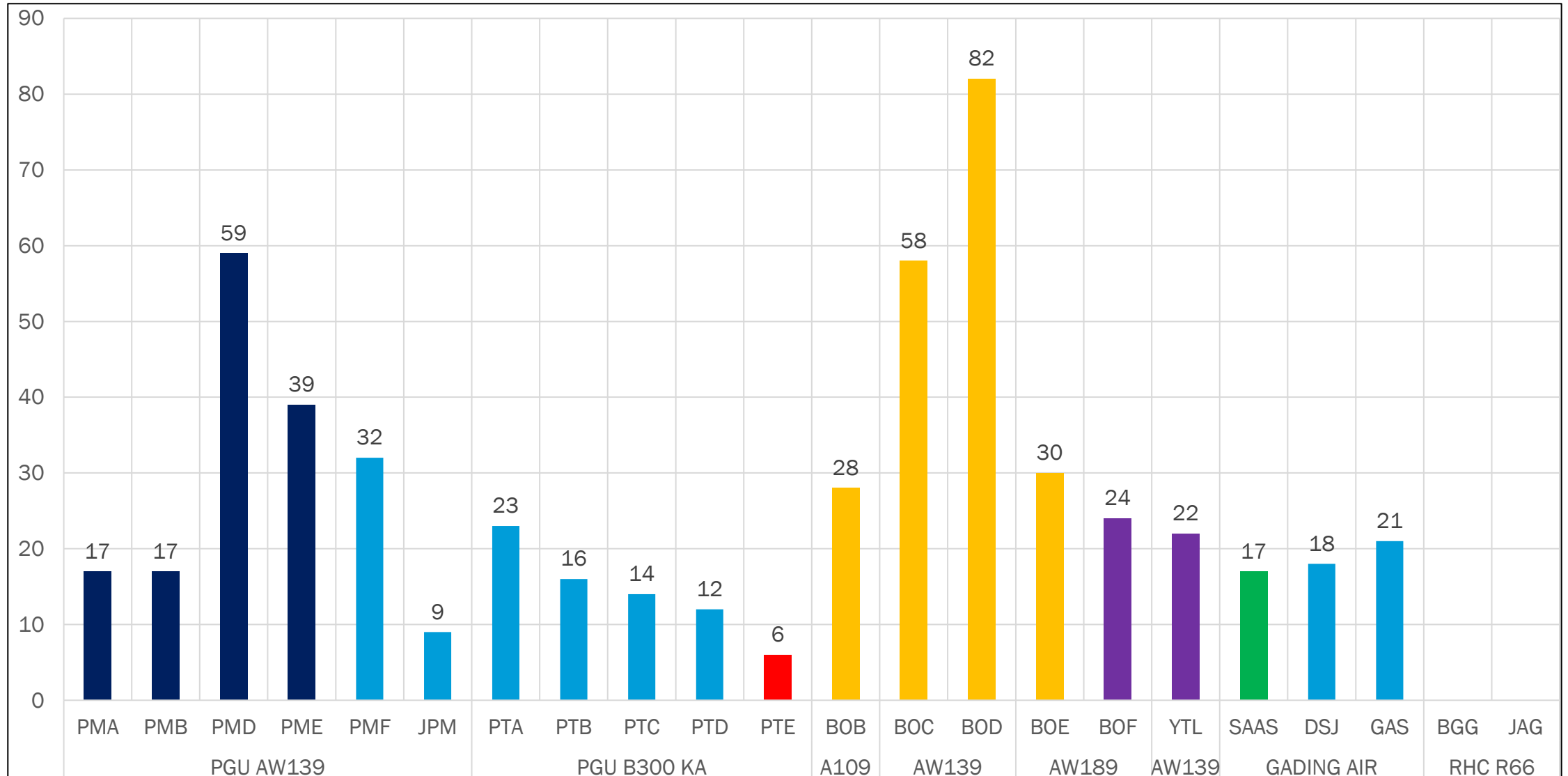
NO.	PN	DESCRIPTION	NO. OF UNSCHEDULED REMOVAL
1	09-0711-09-103	ENGINE BLEED SHUT OFF VALVE	2
2	501-1210-01	VERTICAL GYRO	2
3	DV1368	DIGITAL CHRONOMETER	2

# 4.0. SUMMARY OF 2022: TOP UNSCHEDULED COMPONENT REMOVAL

B300			
NO.	PN	DESCRIPTION	NO. OF UNSCHEDULED REMOVAL
1	3-1341-1	LG WHEEL	12
2	300-0271-1	A/C BLOWER	5
3	622-9210-008	ATC SYSTEM	3
4	189894-002	SOLENOID	2
5	7112FR160T	CABIN DOOR DAMPER	2
6	CI-401-460	GPS ANTENNA	2
7	R5-99-176-08	ENGINE CAM AND HOOK LATCH	2



# 4.1. SUMMARY OF 2022: NO. OF UNSCHEDULED COMPONENT REMOVAL PER AIRCRAFT



# SUMMARY OF 2022: DEFERED DEFECT

	DATE	AC REG	DESCRIPTION COMPONENT	EVENT
1	06 JUL 22	9M-PMB	WEATHER RADAR	DURING PRE FLIGHT INSPECTION FOUND WEATHER RADAR WAVEGUIDE CRACKED
2	04 AUG 22	9M-PMA	PILOT VENT FAN	PILOT VENT FAN FAIL, AWAITING SPARE OAG
3	11 AUG 22	9M-PME	WEATHER RADAR	WEATHER RADAR UNABLE TO ON
4	11 AUG 22	9M-PME	WEATHER RADAR	WEATHER RADAR INOP FOR FLIGHT BY DAY IN VMC AND NOT OPERATE UNDER IFR OR AT NIGHT OPERATION
5	21 JAN 2023	9M-PME	FUEL PUMP	FUEL PUMP FAIL ON CAS
6	27 AUG 2022	9M-BOE	DISPLAY UNIT	DURING PRE-FLIGHT FOUND DISPLAY UNIT INOPERATIVE

# 5.0. SUMMARY OF 2022: MANDATORY OCCURING REPORT / OCCURING REPORT

DATE	AC REG	EVENT	REFERENCE
12/01/2022	9M-PMD	ENGINE OVER TORQUE	MOR/2022/01
14/01/2022	9M-BOD	CRACK UPPER ASSY	MOR/2022/02
16/01/2022	9M-PMF	DELAMINATION BLADE	MOR/2022/03
03/02/2022	9M-PMD	TAIL ROTOR HAIRLINE CRACK	MOR/2022/04
08/02/2022	9M-PMD	ENGINE OVERTORQUE AND ROTOR HIGH	MOR/2022/05
08/24/2022	9M-JPM	WINDSHIELD CRACK	MOR/2022/06
8/29/2022	9M-BOE	MAIN ROTOR OVERSPEED	MOR/2022/07
11/22/2022	9M-GAS	MAINTENANCE STEPS HIT AIRCRAFT INSIDE GAM-MIAT HANGAR	MOR/2022/08
01/11/2023	9M-PTB	9M-PTB LIGHTNING STRIKE	MOR/2023/01
02/21/2023	9M-BOF	MAIN ROTOR BLADE DAMAGE DUE TO HIT TO APU PANEL	MOR/2023/02

# 6.0. SUMMARY OF 2022: STRUCTURAL DEFECT,CORROSION AND DELAMINATION

NO.	DATE	AC REG	EVENTS	REASON/ACTION
1	17-JAN-2022	9M-PMF	MR BLADE SURFACE PEELED OFF AND DELAMINATED	MR BLADE REPAIR AS PER AMP SUPERFICIAL DAMAGE AND PAINT TOUCH UP
2	07-JUL-2022	9M-PME	LH PIPE RING INNER FLANGE FOUND CRACK DURING MAINTANENECE	LH PIPE RING INNER FLANGE REPAIR
3	11-04-2022	9M-PMD	SWASHPLATE BOOT DAMAGE	SWASHPLATE BOOT REPLACEMENT
4	06-04-2022	9M-PMD	ENGINE MOUNT ASSY CORROSION AT BEARING	REPLACEMENT OF ENGINE MOUNT
5	07-04-2022	9M-BOB	BLUE MAIN ROTOR BLADE FOUND SKIN DAMAGE DUE TO OF LIMIT	BLUE MAIN ROTOR BLADE REPLACEMENT
6	21-09-2022	9M-BOB	DURING PRE FLTINSP FOUND ELT SWITCH MOUNTING DAMAGED	ELT SWITCH REPLACEMENT
7	22-06-2022	9M-BOD	FOUND CORROSION AT CENTRAL PANEL BETWEEN STA 215 AND 3120 EXTERNAL SIDE	SPECIAL REPAIR PROCEDURE AT CENTRAL PANEL BETWEEN STA 2105 AND 3120
8	28-09-2022	9M-BOD	LH AND RH EXHAUST COWLING FOUND DAMAGE	LH AND RH EXHAUST COWLING REPAIR
9	21-09-2022	9M-BOD	FLOORBOARD FOUND DAMAGE	FLOORBOARD REPAIR
10	09-11-2022	9M-BOD	RHS LOWER EXTERNAL SKIN CORROSION	RHS LOWER EXTERNAL SKIN REPAIR

# 6.0. SUMMARY OF 2022: STRUCTURAL DEFECT,CORROSION AND DELAMINATION

NO.	DATE	AC REG	EVENTS	REASON/ACTION
11	27-07-2022	9M-BOC	LEFT AND RIGHT NOSE WHEEL BEARING FOUND DAMAGE AND CORRODED	LEFT AND RIGHT NOSE WHEEL BEARING REPLACEMENT
12	08-07-2022	9M-BOC	SWASHPLATE DUPLEX BEARING CORROSION	SWASHPLATE DUPLEX BEARING REPLACEMENT
13	02-11-2022	9M-BOC	TAIL ROTOR SCISSOR COUPLING CORRODED	TAIL ROTOR SCISSOR COUPLING REPLACEMENT
14	08-09-2022	9M-BOD	MAIN ROTOR HEAD CENTERING PLATES DUE TO CORROSION AND DELAMINATION FOUND	REPLACEMENT OF MAIN ROTOR HEAD CENTERING PLATES
15	17-JAN-2022	9M-PMF	MR BLADE SURFACE PEELED OFF AND DELAMINATED	MR BLADE REPAIR AS PER AMP SUPERFICIAL DAMAGE AND PAINT TOUCH UP
16	24-03-2022	9M-BOF	LH ANGLE FRAME WL 2670 CRACK	LH ANGLE FRAME WL 2670 CRACK REPAIRED
17	21-02-2023	9M-BOF	MR BLADE DAMAGE, HIT APU PANEL	MR BLADE SENT TO APPROVED WORKSHOP FOR REPAIR
18	02-03-2022	9M-BOF	LH INBOARD NLG ROLLER BEARING CORRISION AND BEARING SEAL WORN	REPLECED LH INBOARD NLG ROLLER BEARING AND BEARING SEAL
19	03-08-2022	9M-BOE	NLG WHEEL BEARING FOUND CORRODED	REPLACED INBOARD AND OUTBOARD NOSE LANDING GEAR WHEEL BEARINGS
20	06-10-2022	9M-YTL	LH HORIZONTAL STABILIZER PITTED ON LEADING EDGE	LH HORIZONTAL STABILIZER PITTED ON LEADING EDGE TO BE RECTIFIED / REPAIR
21	09-02-2022	9M-GAS	TR BLADES VARNISH SURFACE DAMAGED	TOUCHED-UP

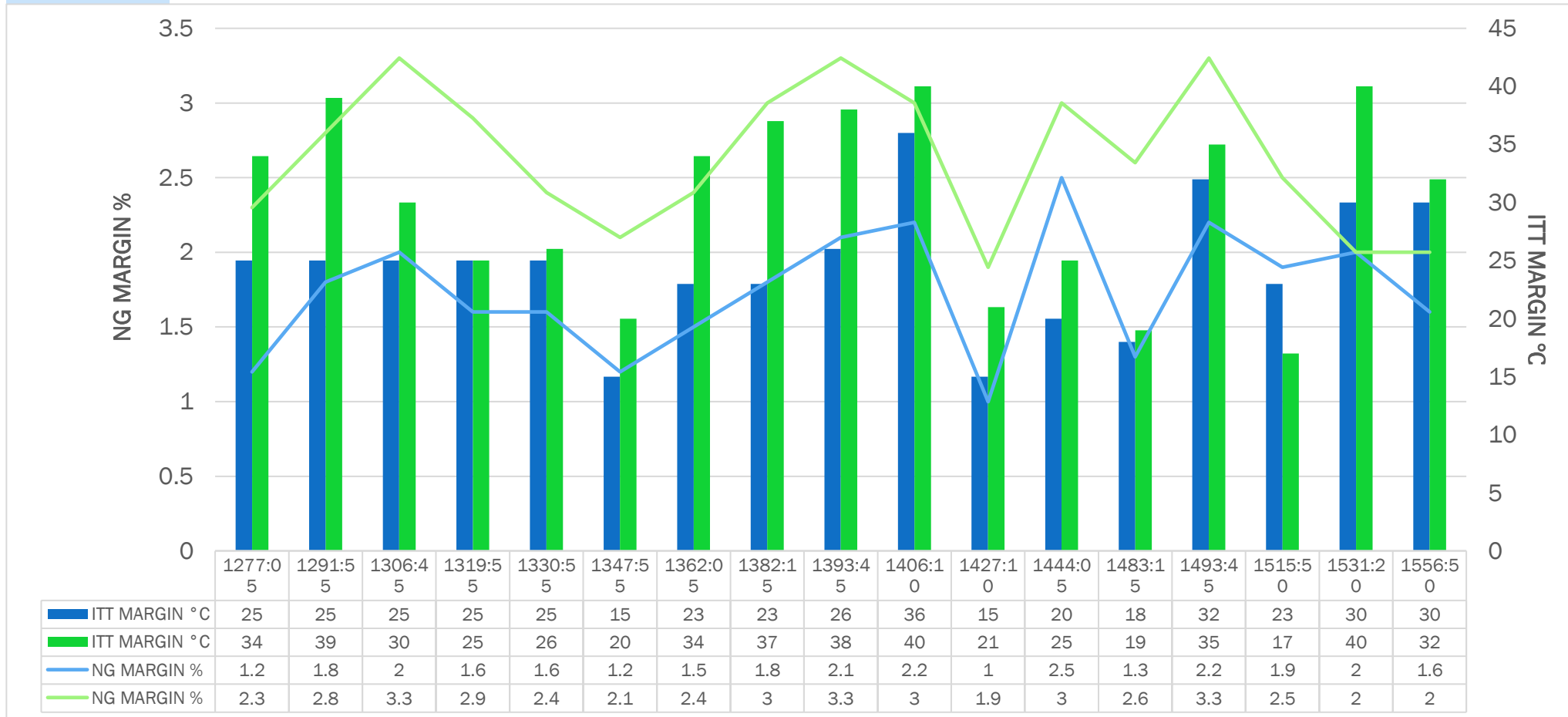
# 7. POWER ASSURANCE CHECK

## 1. ENGINE PROFILE AND MONITORING STATUS AW139 PGU

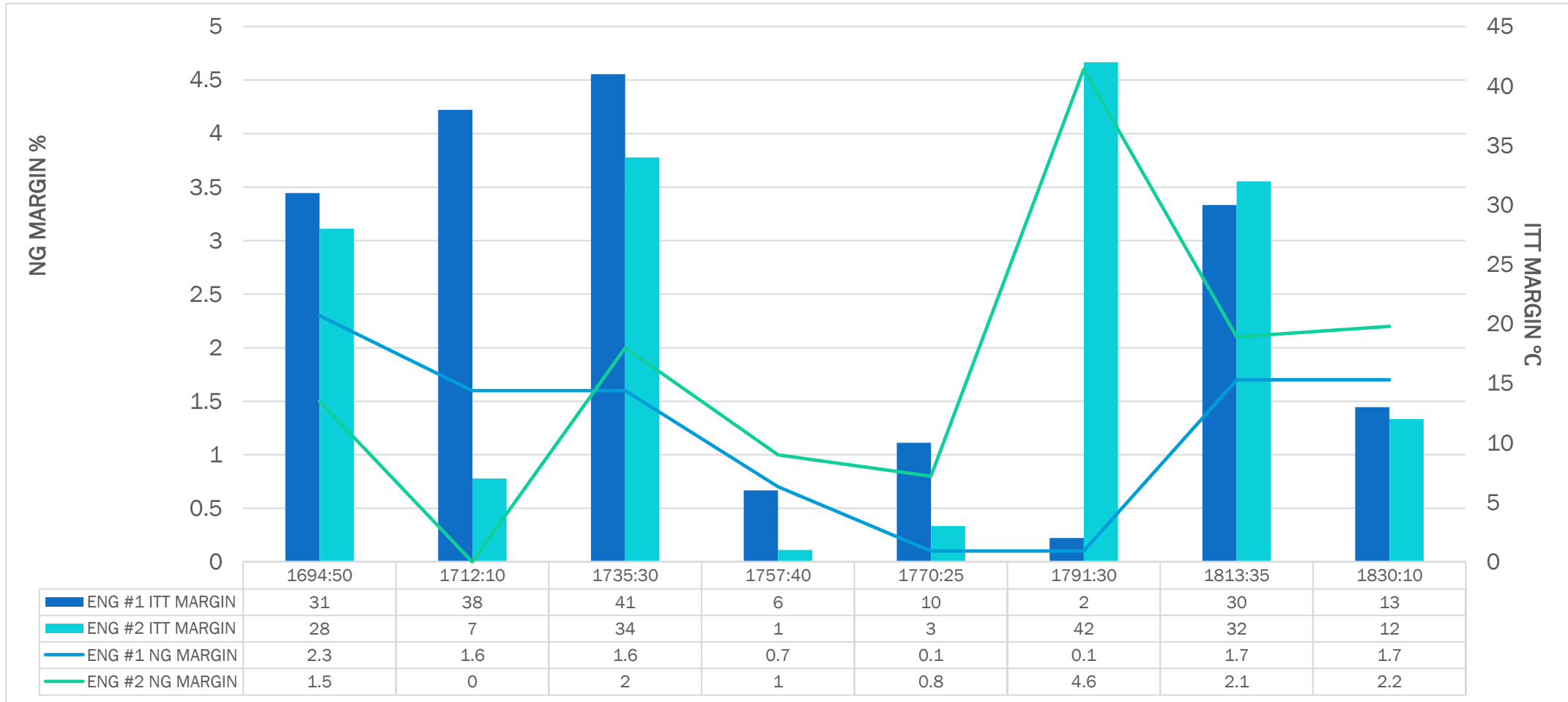
AC REG	ENG #	ESN	METHOD	REMARKS	REMAINING HR BEFORE OVERHAUL
9M-PMA	1	PCE-KB2069	POWER ASSURANCE CHECK (PAC) PERFORMED	PASS	3362:31
	2	PCE-KB2067		PASS	3362:31
9M-PMB	1	PCE-KB1830		PASS	3085:40
	2	PCE-KB1832		PASS	3085:40
9M-PMD	1	PCE-KB2112		PASS	3451:25
	2	PCE-KB2092		PASS	3451:25
9M-PME	1	PCE-KB2214		PASS	3551:12
	2	PCE-KB2224		PASS	3551:12
9M-JPM	1	PCE-KB2361		PASS	4833:42
	2	PCE-KB2359		PASS	4833:42
9M-SAAS	1	PCE-KB2390		PASS	4657:45
	2	PCE-KB2380		PASS	4657:45

# 7.0. SUMMARY OF 2022: ENGINE TREND MONITORING

## 9M-PMA



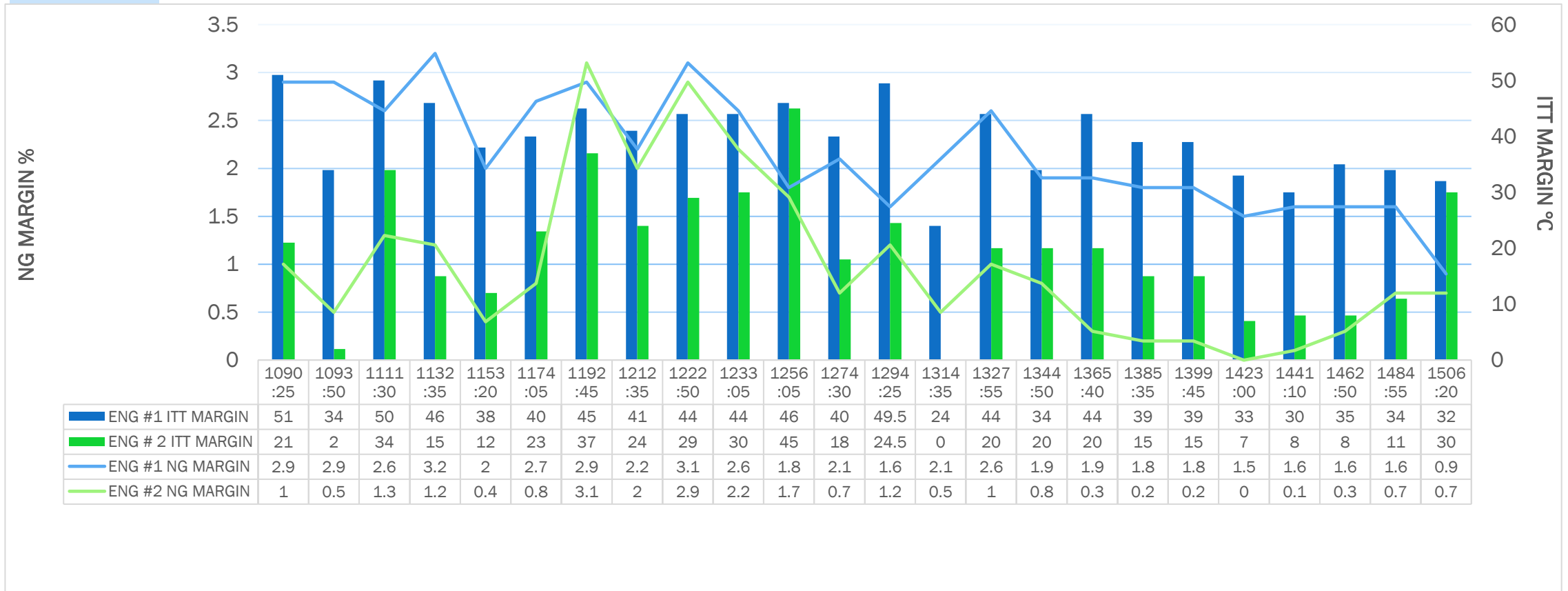
# 7.0. SUMMARY OF 2022: ENGINE TREND MONITORING





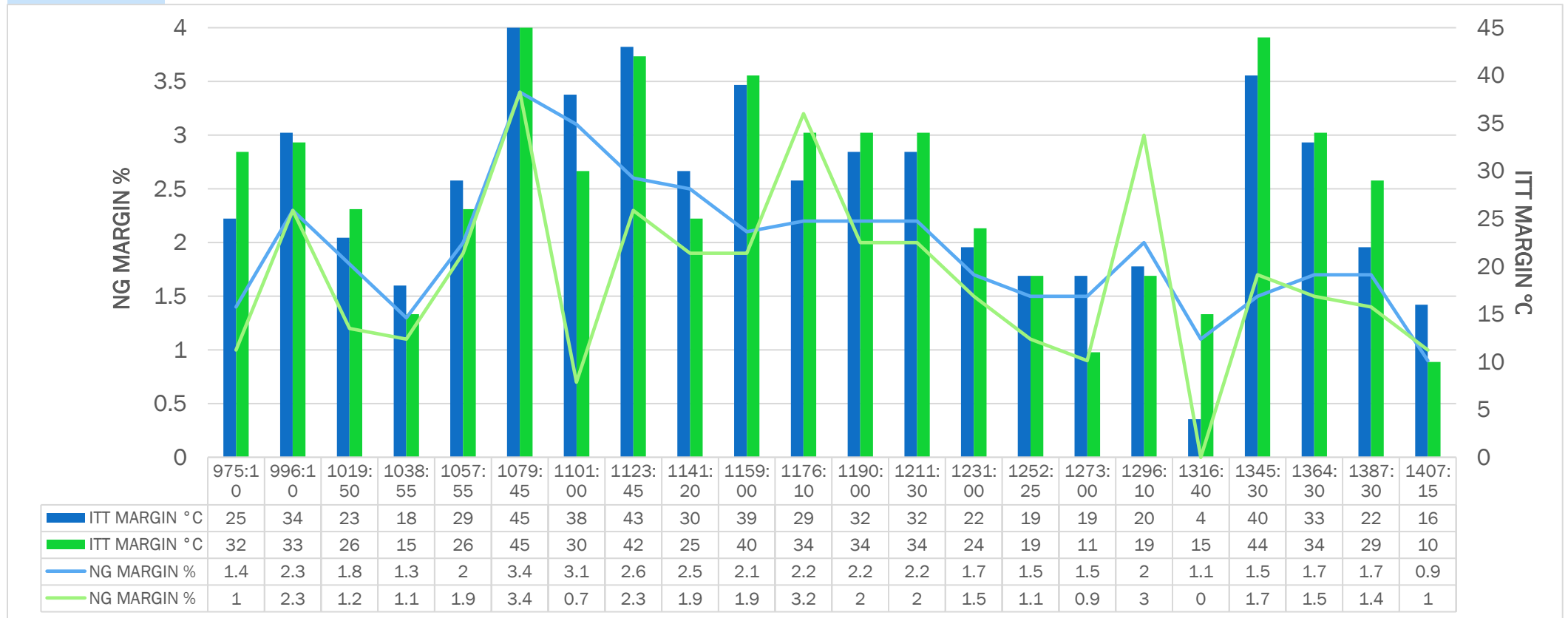
# 7.0. SUMMARY OF 2022: ENGINE TREND MONITORING

## 9M-PMD



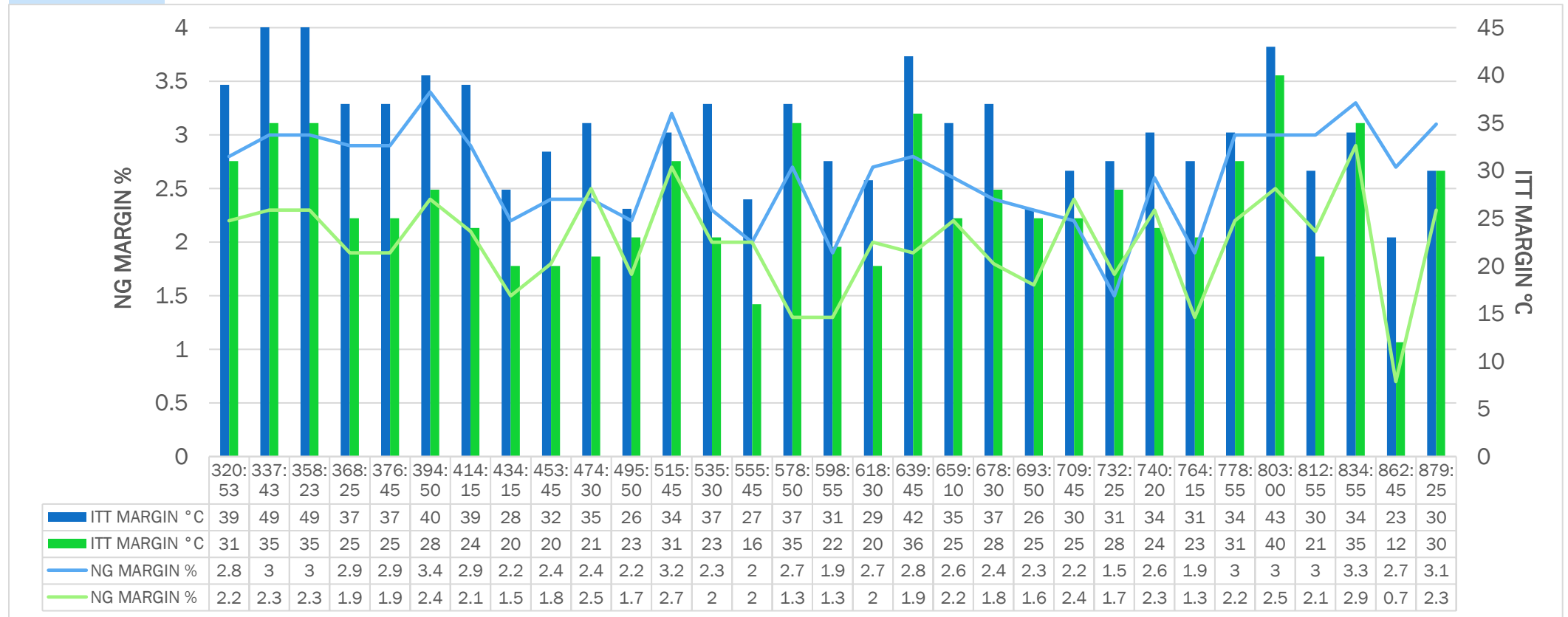
# 7.0. SUMMARY OF 2022: ENGINE TREND MONITORING

## 9M-PME



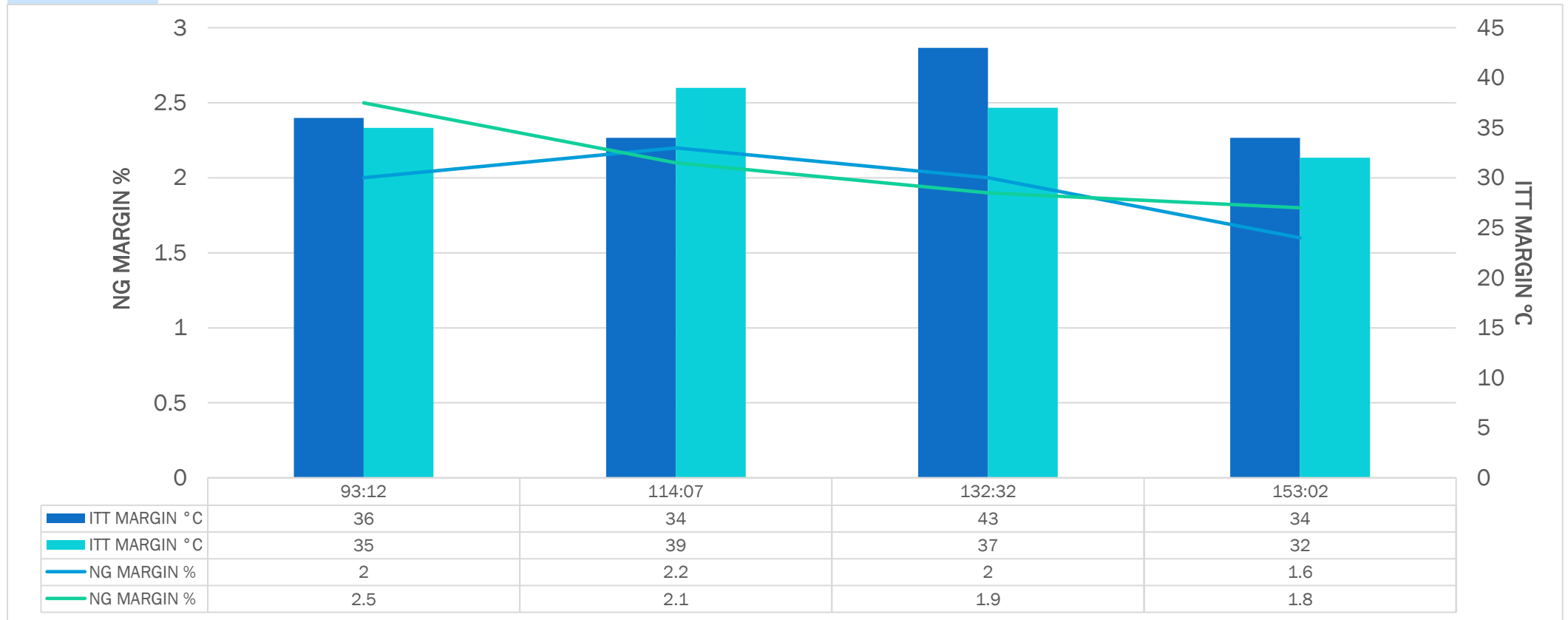
# 7.0. SUMMARY OF 2022: ENGINE TREND MONITORING

## 9M-PMF



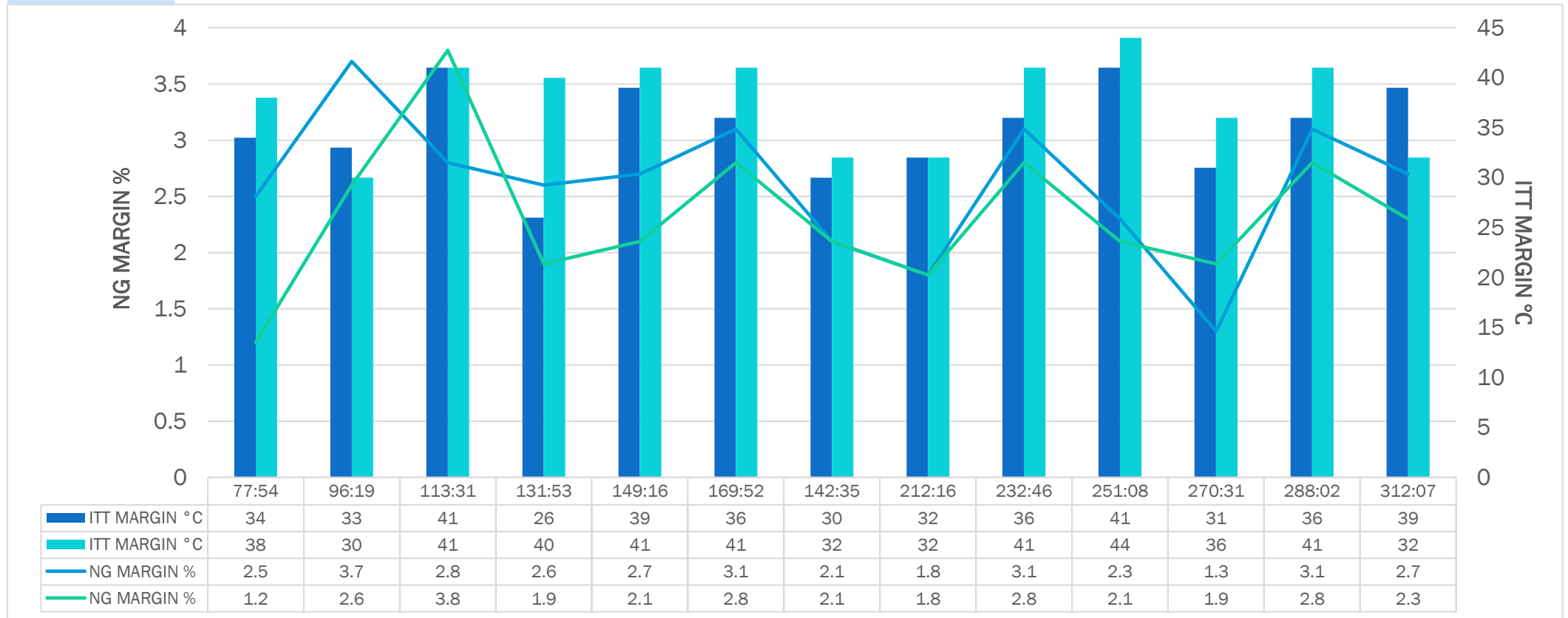
# 7.0. SUMMARY OF 2022: ENGINE TREND MONITORING

9M-JPM



# 7.0. SUMMARY OF 2022: ENGINE TREND MONITORING

## 9M-SAAS



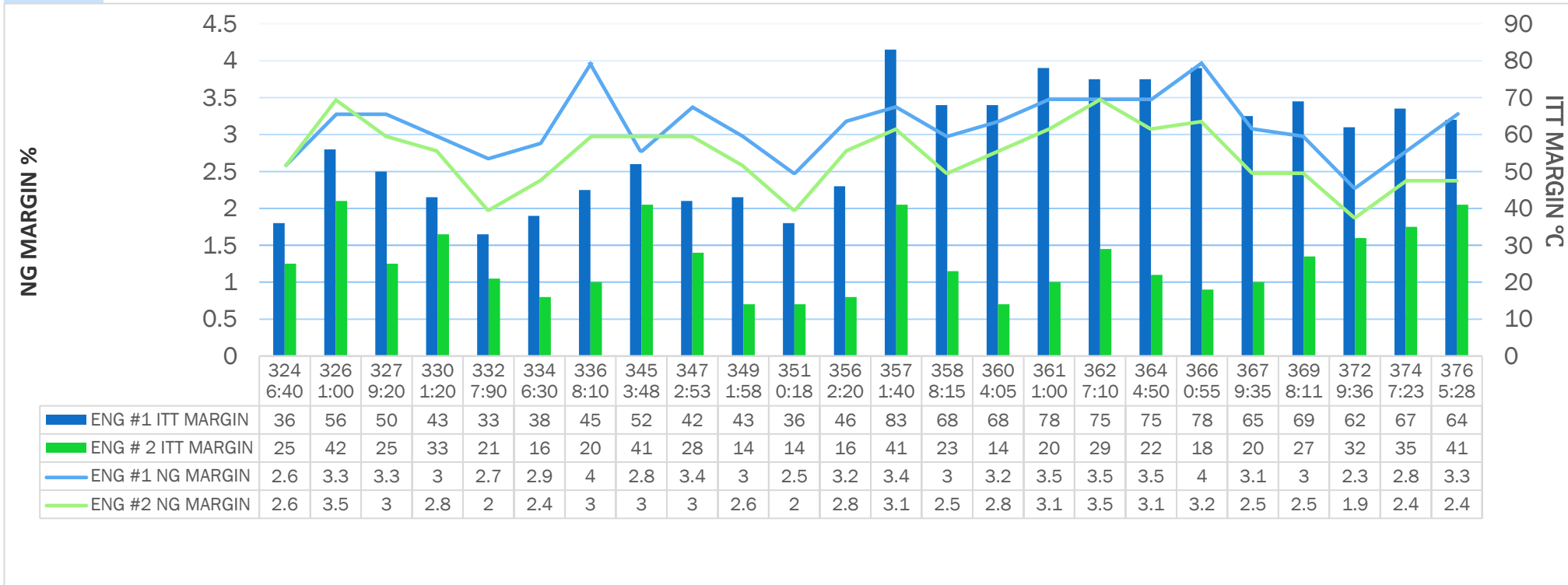
# 4. POWER ASSURANCE CHECK

## 1. ENGINE PROFILE AND MONITORING STATUS

AC TYPE	AC REG	ENG TYPE	ENG #	ESN	METHOD	REMARKS	REMAINING HOURS BEFORE OVERHAUL
A109E	9M-BOB	PW206C	1	PCE-BC0308	POWER ASSURANCE CHECK (PAC) PERFORMED	PASS	2488:28
			2	PCE-BC0358		PASS	509:47
AW139	9M-BOC	PT6C-67C	1	PCE-KB0661		PASS	1310:34
			2	PCE-KB0659		PASS	1310:34
	9M-BOD	PT6C-67C	1	PCE-KB0674		PASS	1383:53
			2	PCE-KB0658		PASS	1383:53
AW189	9M-BOE	GE CT7-2E1	1	780235		PASS	4575:55
			2	780220		PASS	4404:25
	9M-BOF	GE CT7-2E1	1	780225		PASS	4408:57
			2	780234		PASS	4483:20

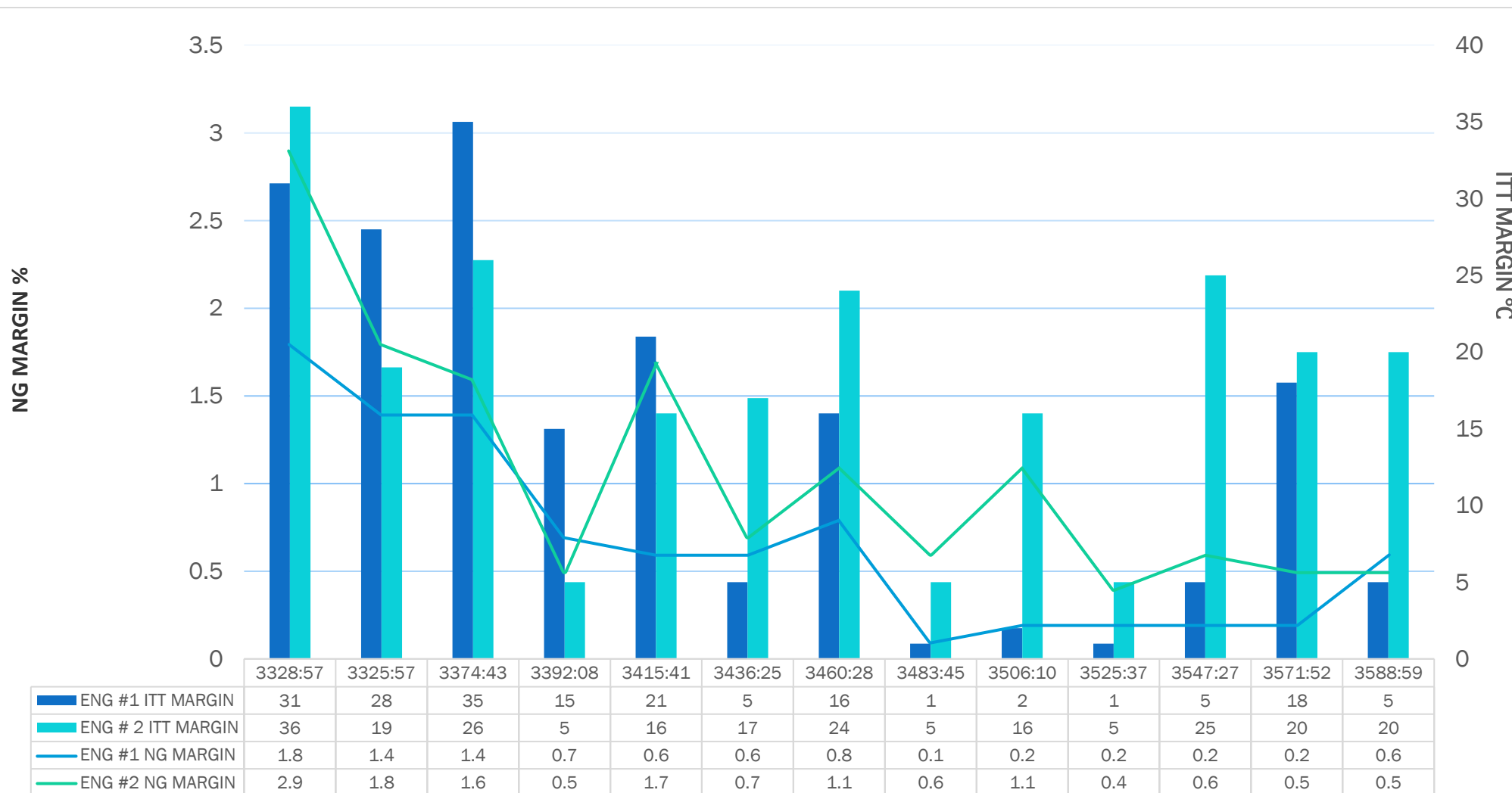
# 7.0. SUMMARY OF 2022: ENGINE TREND MONITORING

BOB



# 7.0. SUMMARY OF 2022: ENGINE TREND MONITORING

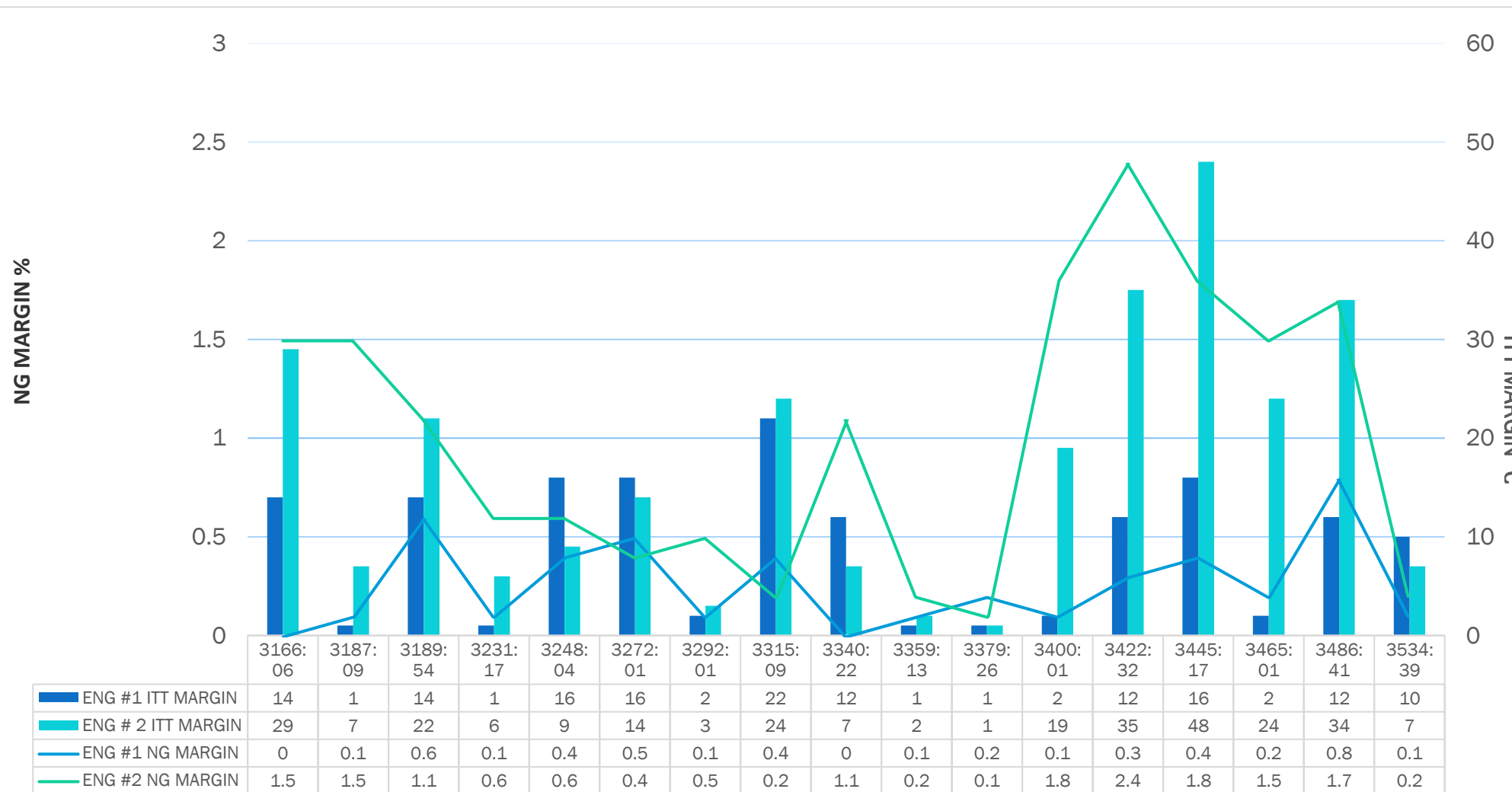
BOC



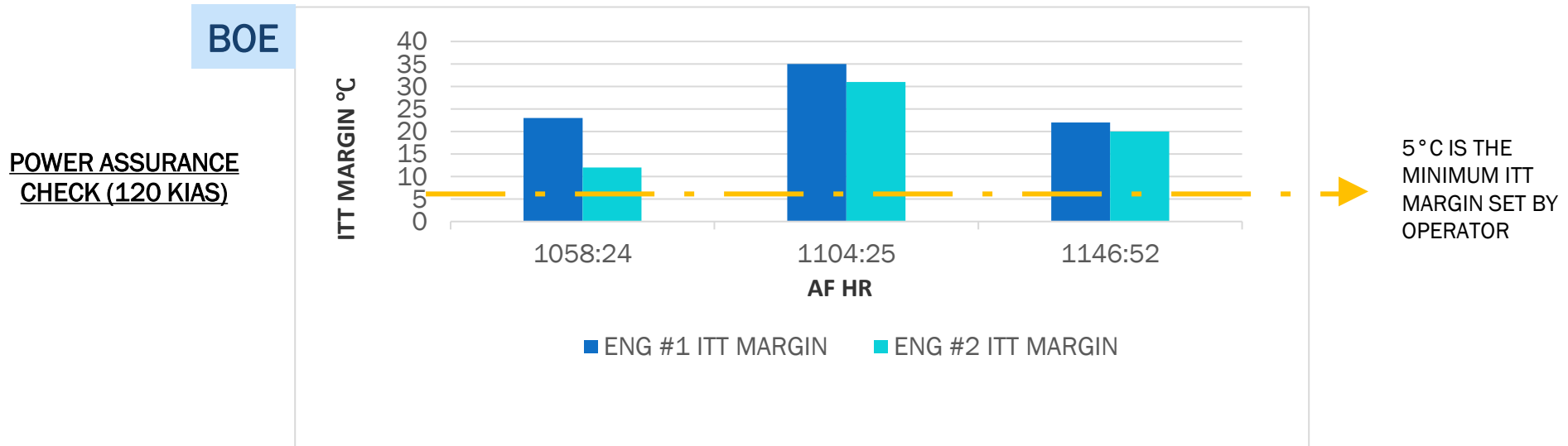
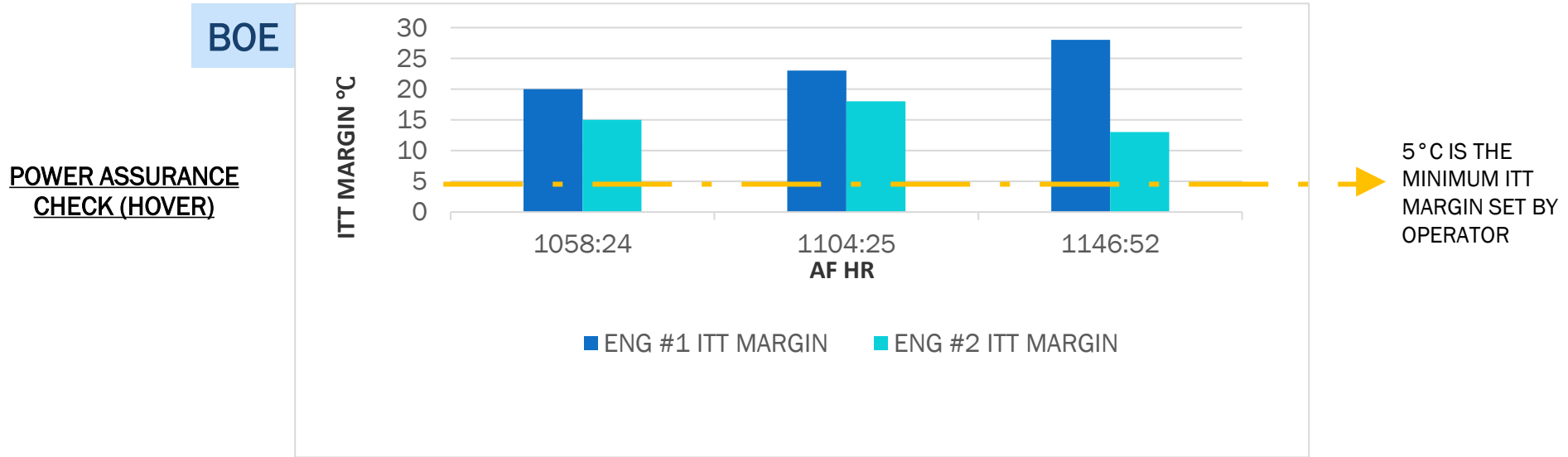


# 7.0. SUMMARY OF 2022: ENGINE TREND MONITORING

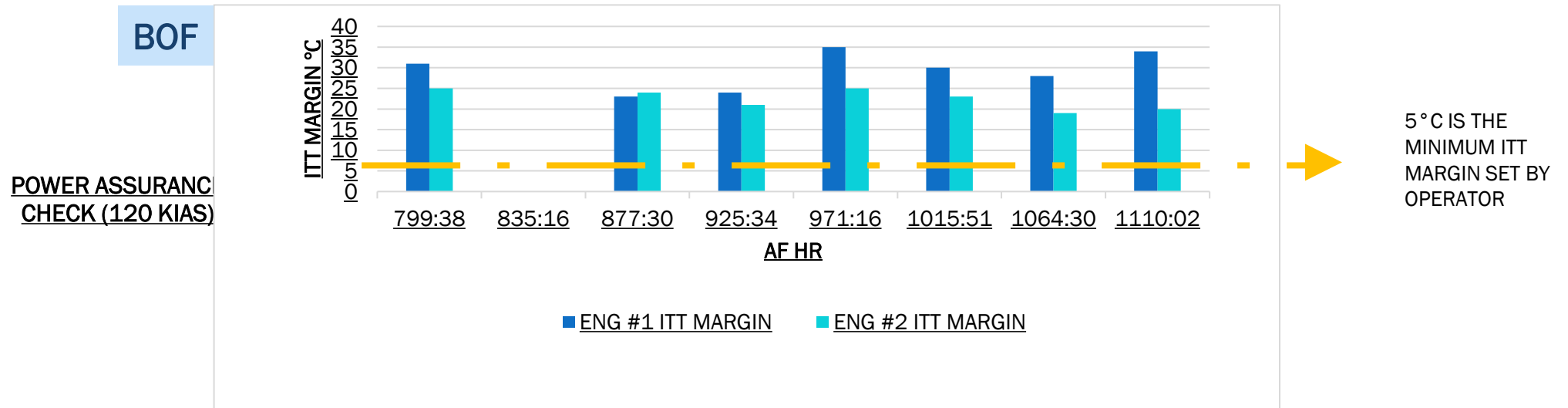
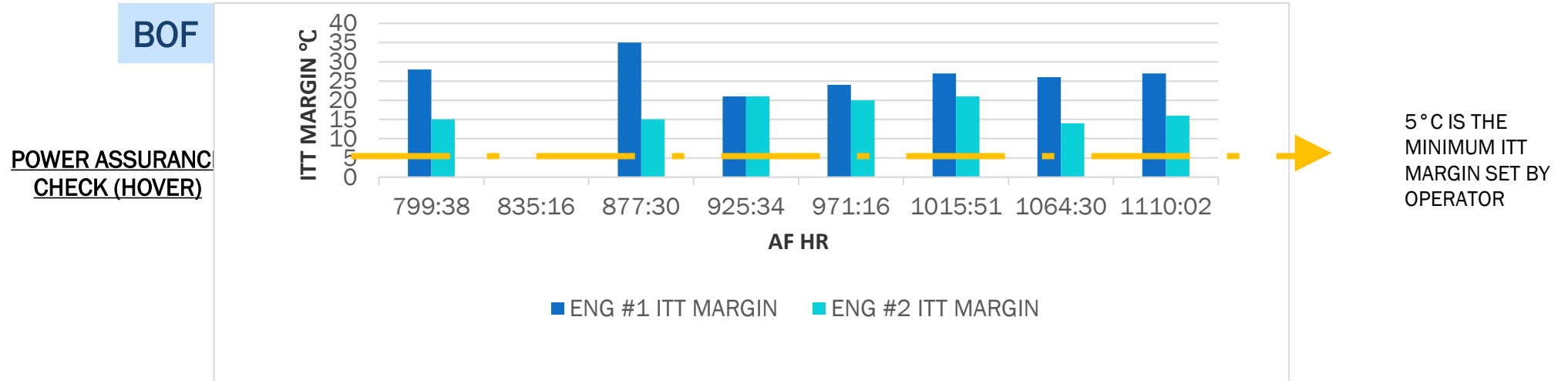
BOD



# 7.0. SUMMARY OF 2022: ENGINE TREND MONITORING



# 7.0. SUMMARY OF 2022: ENGINE TREND MONITORING



# 7.0. SUMMARY OF 2022: ENGINE TREND MONITORING

This statement is to inform you of the status of your aircraft under CAMP's Engine Health Monitoring program. Below you will find a summarized overview of your fleet grouped by aircraft model with the aircraft having the most severe status listed first. In the pages that follow you will find a detailed EHM status report for each aircraft included in this report.

## Aircraft Summary - PWC Engines

Reg	Pos	Serial	Last Upload Date	Last Trend Date	Last Review Date	Previous Trend Status	Current Trend Status
<b>KING AIR B300</b>							
9M-PTB	1	PCE-PK1183	19-Jan-2023	16-Aug-2022	19-Jan-2023	Recommendation	Recommendation
	2	PCE-PK0970	19-Jan-2023	16-Aug-2022	19-Jan-2023	Recommendation	Recommendation
9M-PTC	1	PCE-PK0984	16-Feb-2023	10-Feb-2023	16-Feb-2023	Recommendation	Recommendation
	2	PCE-PK0998	16-Feb-2023	10-Feb-2023	16-Feb-2023	Recommendation	Recommendation
9M-PTD	1	PCE-PK0985	20-Feb-2023	17-Feb-2023	20-Feb-2023	Recommendation	Recommendation
	2	PCE-PK1184	20-Feb-2023	17-Feb-2023	20-Feb-2023	Recommendation	Recommendation
9M-PTE	1	PCE-PK1187	16-Feb-2023	08-Jan-2023	17-Feb-2023	Recommendation	Recommendation
	2	PCE-PK1188	16-Feb-2023	08-Jan-2023	17-Feb-2023	Recommendation	Recommendation
9M-PTA	1	PCE-PK0999	16-Feb-2023	10-Feb-2023	16-Feb-2023	Trend Normal	Trend Normal
	2	PCE-PK0971	16-Feb-2023	10-Feb-2023	16-Feb-2023	Trend Normal	Trend Normal

# THE END