



PROBLEM SUMMARY

Area
(5H-PWB)
 Machine Id
[5H-PWB] ED1046
 Component
2 Jet Turbine
 Fluid
MOBIL JET OIL II (--- GAL)

Sample Rating Trend



WEAR PARTICLES



COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We recommend an early resample to monitor this condition. No other corrective action is recommended at this time.

PROBLEMATIC TEST RESULTS

Sample Status			MARGINAL	---	---
Ferrous Spheres	Scale 0-10	ASTM D7684*	2		

Customer Id: PREDAR
Sample No.: PP
Lab Number: 02558772
Test Package: AVI 3



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Bill Quesnel CLS, OMA II, MLA-III, LLA-I +1
 (289)291-4641 x4641
Bill.Quesnel@wearcheck.com

To change component or sample information:
 Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

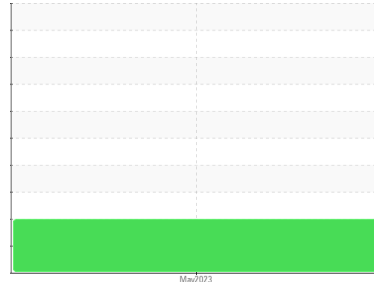


OIL ANALYSIS REPORT

Sample Rating Trend

WEAR PARTICLES

Area
(5H-PWB)
 Machine Id
[5H-PWB] ED1046
 Component
2 Jet Turbine
 Fluid
MOBIL JET OIL II (--- GAL)



DIAGNOSIS

Recommendation

We recommend an early resample to monitor this condition. No other corrective action is recommended at this time.

Wear

Wear particle analysis indicates that the ferrous spheres particles are marginal. Bearing wear is indicated. All other component wear rates are normal.

Contaminants

There is no indication of any contamination in the oil.

Oil Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PP	---	---
Sample Date	Client Info	04 May 2023	---	---
TSN	hrs Client Info	0	---	---
TSO	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		MARGINAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	---	---
Iron	ppm ASTM D5185(m) >8	2	---	---
Chromium	ppm ASTM D5185(m) >2	0	---	---
Nickel	ppm ASTM D5185(m) >2	<1	---	---
Titanium	ppm ASTM D5185(m) >2	0	---	---
Silver	ppm ASTM D5185(m) >2	0	---	---
Aluminum	ppm ASTM D5185(m) >2	1	---	---
Lead	ppm ASTM D5185(m) >3	0	---	---
Copper	ppm ASTM D5185(m) >3	0	---	---
Tin	ppm ASTM D5185(m) >2	0	---	---
Antimony	ppm ASTM D5185(m)	0	---	---
Vanadium	ppm ASTM D5185(m)	0	---	---
Beryllium	ppm ASTM D5185(m)	0	---	---
Cadmium	ppm ASTM D5185(m)	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<1	---	---
Barium	ppm ASTM D5185(m)	0	---	---
Molybdenum	ppm ASTM D5185(m)	<1	---	---
Manganese	ppm ASTM D5185(m)	0	---	---
Magnesium	ppm ASTM D5185(m)	<1	---	---
Calcium	ppm ASTM D5185(m)	0	---	---
Phosphorus	ppm ASTM D5185(m)	2728	---	---
Zinc	ppm ASTM D5185(m)	<1	---	---
Sulfur	ppm ASTM D5185(m)	6	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

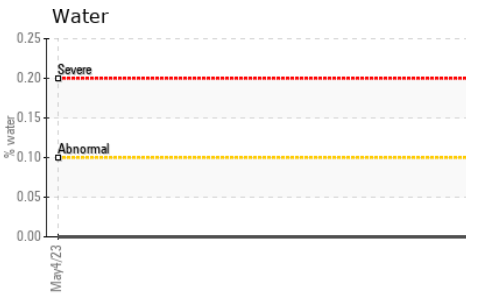
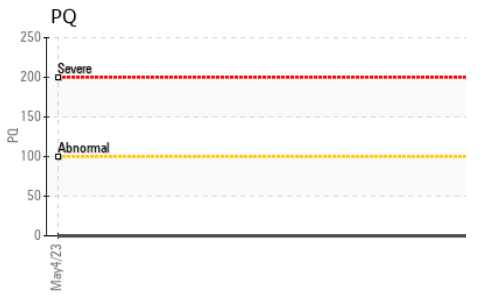
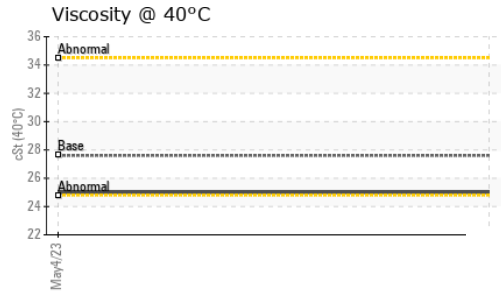
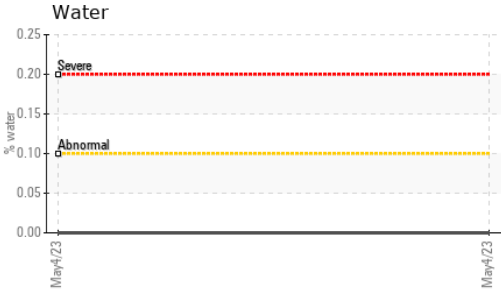
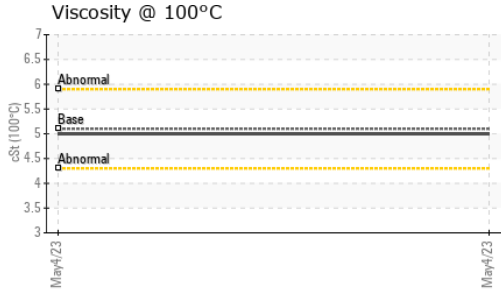
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >8	<1	---	---
Sodium	ppm ASTM D5185(m)	<1	---	---
Potassium	ppm ASTM D5185(m) >20	<1	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974* 0.03	0.13	---	---

OIL ANALYSIS REPORT



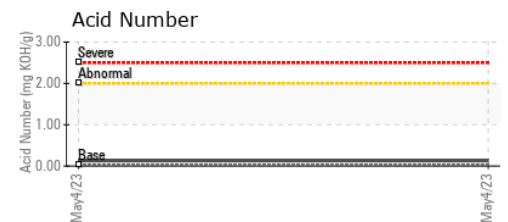
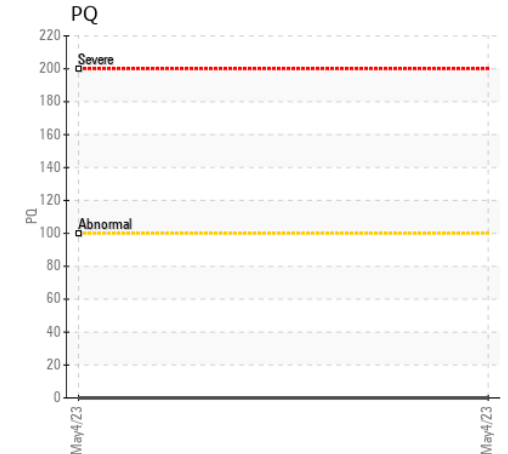
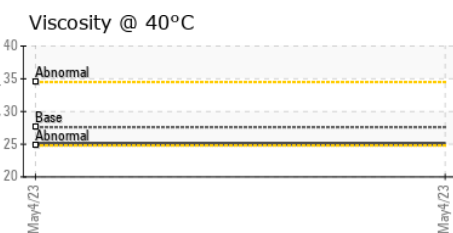
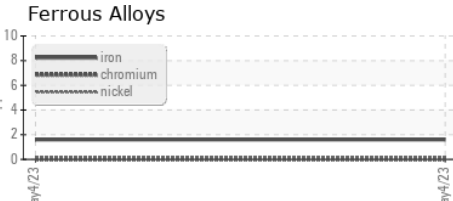
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>.1	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	27.6	25.0	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	5.1	5	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		128	---	---

SAMPLE IMAGES

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



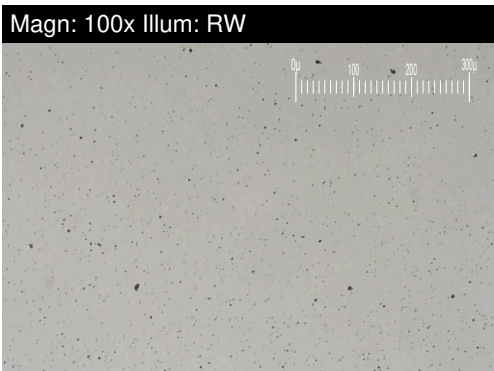
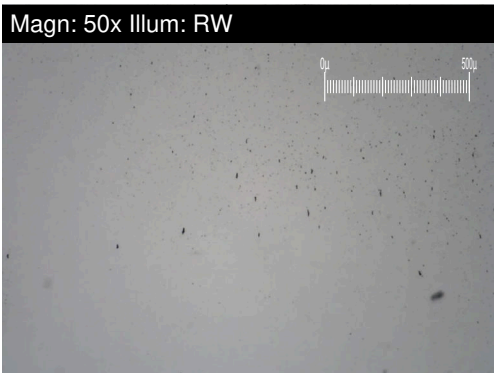
Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PP **Received** : 19 May 2023
Lab Number : 02558772 **Diagnosed** : 19 May 2023
Unique Number : 5579812 **Diagnostician** : Bill Quesnel
Test Package : AVI 3 (Additional Tests: PQ)

PRECISION AIR SERVICES PLC
 P.O. BOX 70770 DIAMOND PLAZA 1ST FL., MIRAMBO ST/SAMORA AVE
 DAR ES SALAAM,
 TZ
 Contact: Huri Monyo
 hmonyo@precisionairtz.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

FERROGRAPHY REPORT

Area
(5H-PWB)
 Machine Id
[5H-PWB] ED1046
 Component
2 Jet Turbine
 Fluid
MOBIL JET OIL II (--- GAL)

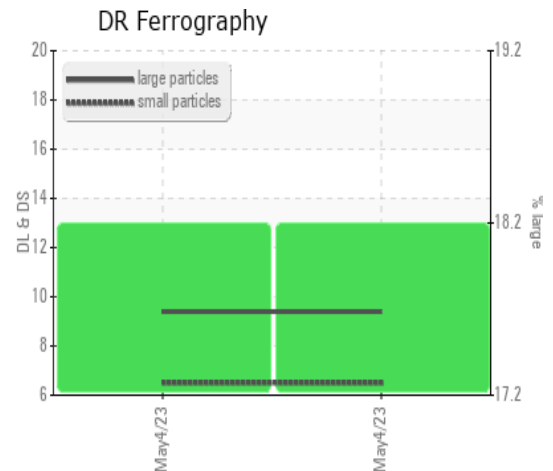


DR-FERROGRAPHY		method	limit/base	current	history1	history2
Large Particles		DR-Ferr*		9.4	---	---
Small Particles		DR-Ferr*		6.5	---	---
Total Particles		DR-Ferr*	>---	15.9	---	---
Large Particles Percentage	%	DR-Ferr*		18.2	---	---
Severity Index		DR-Ferr*		27	---	---

FERROGRAPHY		method	limit/base	current	history1	history2
Ferrous Rubbing	Scale 0-10	ASTM D7684*		■ 3		
Ferrous Sliding	Scale 0-10	ASTM D7684*				
Ferrous Cutting	Scale 0-10	ASTM D7684*				
Ferrous Rolling	Scale 0-10	ASTM D7684*		■ 2		
Ferrous Break-in	Scale 0-10	ASTM D7684*				
Ferrous Spheres	Scale 0-10	ASTM D7684*		▲ 2		
Ferrous Black Oxides	Scale 0-10	ASTM D7684*				
Ferrous Red Oxides	Scale 0-10	ASTM D7684*				
Ferrous Corrosive	Scale 0-10	ASTM D7684*				
Ferrous Other	Scale 0-10	ASTM D7684*				
Nonferrous Rubbing	Scale 0-10	ASTM D7684*				
Nonferrous Sliding	Scale 0-10	ASTM D7684*				
Nonferrous Cutting	Scale 0-10	ASTM D7684*				
Nonferrous Rolling	Scale 0-10	ASTM D7684*				
Nonferrous Other	Scale 0-10	ASTM D7684*				
Carbonaceous Material	Scale 0-10	ASTM D7684*		■ 2		
Lubricant Degradation	Scale 0-10	ASTM D7684*				
Sand/Dirt	Scale 0-10	ASTM D7684*		■ 2		
Fibres	Scale 0-10	ASTM D7684*				
Spheres	Scale 0-10	ASTM D7684*				
Other	Scale 0-10	ASTM D7684*				

WEAR

Wear particle analysis indicates that the ferrous spheres particles are marginal. Bearing wear is indicated. All other component wear rates are normal.



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