

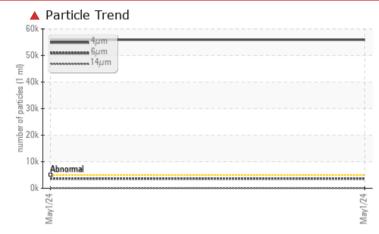
# **PROBLEM SUMMARY**

Sample Rating Trend



### Machine Id **PALFINGER 100519569 - CSX** Component Hydraulic System Fluid ATF (--- GAL)

## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample.

# PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	 
Particles >4µm	ASTM D7647	>5000	<b>4</b> 55951	 
Particles >6µm	ASTM D7647	>1300	<b>A</b> 3633	 
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>2</b> 3/19/14	 

Customer Id: PALJACNJ Sample No.: WC0897230 Lab Number: 06208275 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS								
Action	Status	Date	Done By	Description				
Resample			?	Resample in 30-45 days to monitor this situation.				
Information Required			?	Please specify the brand, type, and viscosity of the oil on your next sample.				
Check Breathers			?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.				
Check Seals			?	Check seals and/or filters for points of contaminant entry.				

HISTORICAL DIAGNOSIS



# **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

Machine Id PALFINGER 100519569 - CSX

Component Hydraulic System Fluid ATF (--- GAL)

# DIAGNOSIS

### A Recommendation

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0897230		
Sample Date		Client Info		01 May 2024		
Machine Age	hrs	Client Info		656		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				SEVERE		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	1		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>75	2		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		75		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		6		
Calcium	ppm	ASTM D5185m		201		
Phosphorus	ppm	ASTM D5185m		317		
Zinc	ppm	ASTM D5185m		193		
Sulfur	ppm	ASTM D5185m		1157		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	2		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	1		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>4</b> 55951		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	82		
Particles >21µm		ASTM D7647	>40	18		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>2</b> 3/19/14		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.49		
6:30:51) Rev: 1	- 0		Contact	/Location: ANT	HONY HARTIG	AN - PALJACNJ

Contact/Location: ANTHONY HARTIGAN - PALJACNJ



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/Jan

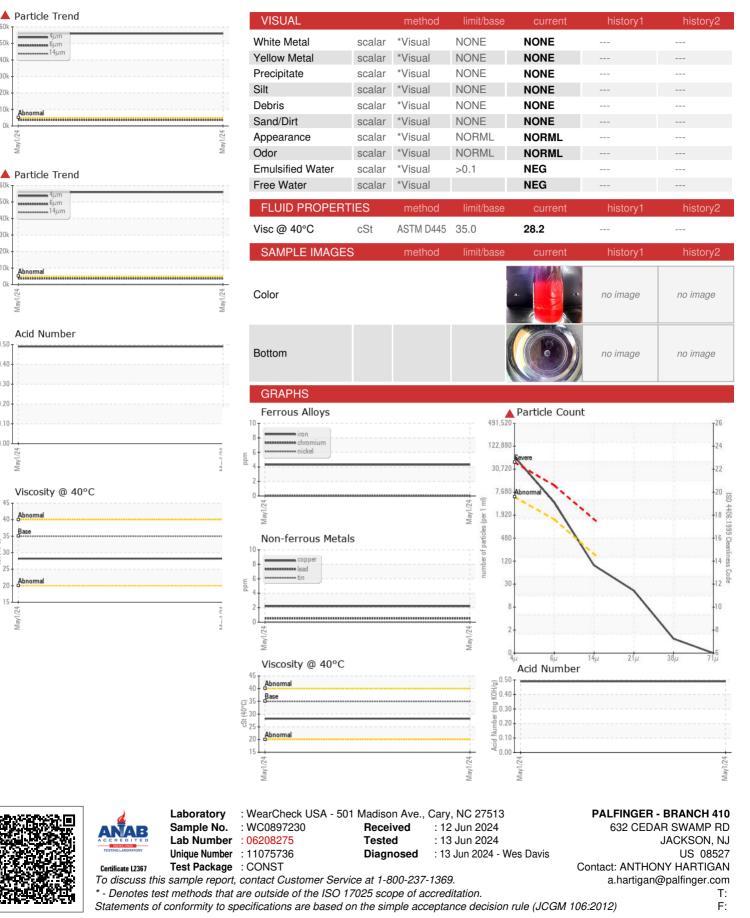
Abno 0

/Jav

EL

/Jav1

# **OIL ANALYSIS REPORT**



Report Id: PALJACNJ [WUSCAR] 06208275 (Generated: 06/13/2024 16:30:51) Rev: 1

Contact/Location: ANTHONY HARTIGAN - PALJACNJ