

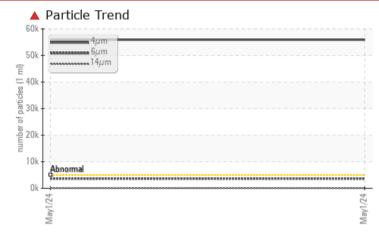
PROBLEM SUMMARY

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	4 55951	
Particles >6µm	ASTM D7647	>1300	A 3633	
Oil Cleanliness	ISO 4406 (c)	>19/17/14	2 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	4 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	2 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



60

.50 1) 40k 30k

Par of

20

10

0

60

^{〒50k}

1) 40k 30k

20

0.50

(B/HO) Ê0.30

P 0.1

0.00

45

40

3

2! Abno 20

15 May1/24

()°0+ 32 š

/Jan

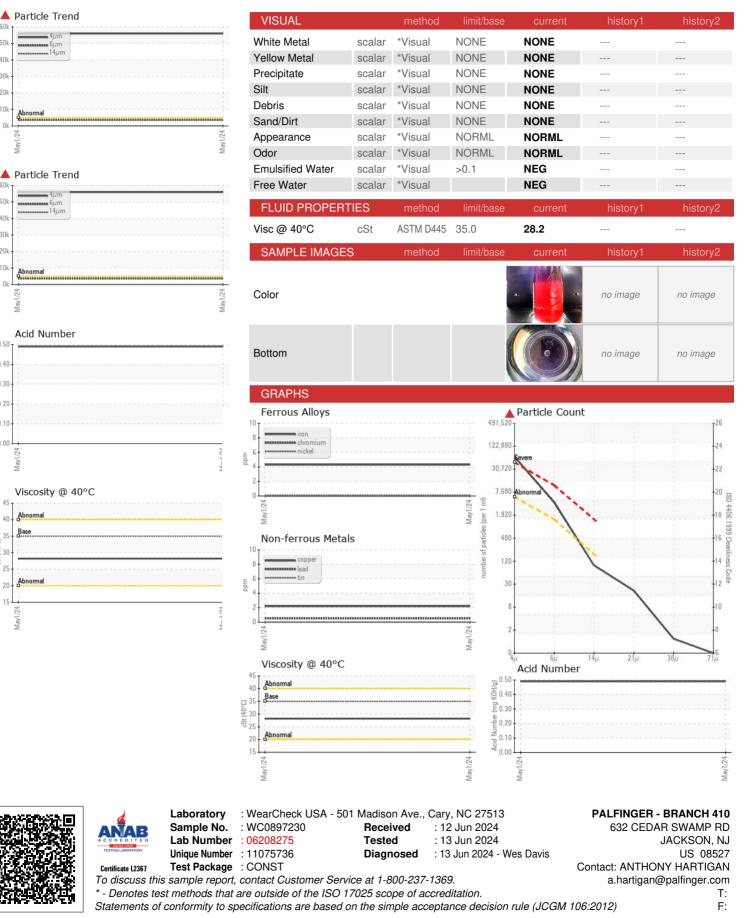
Abno 0

/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