

PROBLEM SUMMARY

Sample Rating Trend

ISO

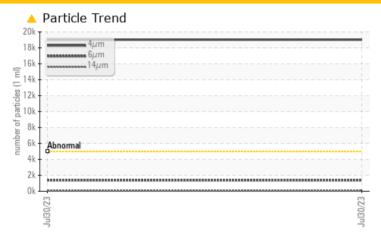


PALFINGER T71 - NATIONAL TRENCH

Component **Hydraulic System**

AW HYDRAULIC OIL ISO 46 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.

PROBLEMATIC TEST RESULTS							
Sample Status			ABNORMAL				
Particles >4µm	ASTM D7647	>5000	19027				
Particles >6µm	ASTM D7647	>1300	1388				
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<u>^</u> 21/18/13				

Customer Id: PALCAL Sample No.: WC0780062 Lab Number: 05961720 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			?	We recommend an early resample to monitor this condition.			
Alert			?	The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.			
Information Required			?	The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.			

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

PALFINGER T71 - NATIONAL TRENCH

Component

Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.

Wear

All component wear rates are normal.

Contamination

There is a moderate 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.

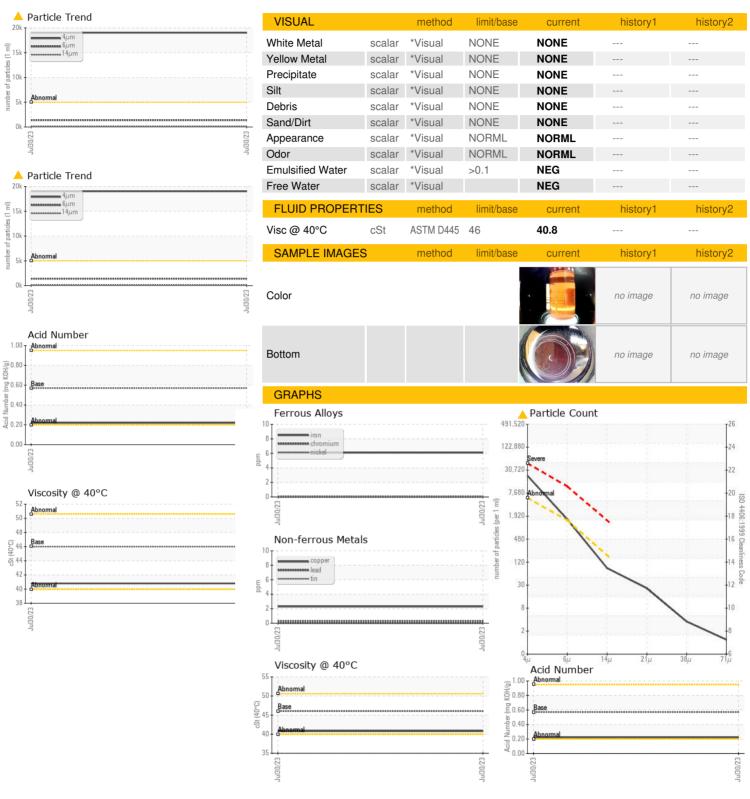
		Jul/2023		Jul2023			
SAMPLE INFORMA	TION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC0780062			
Sample Date		Client Info		30 Jul 2023			
	nls	Client Info		104733			
	nls	Client Info		0			
Oil Changed	1110	Client Info		N/A			
Sample Status				ABNORMAL			
WEAR METALS		method	limit/base	current	history1	history2	
ron p	pm	ASTM D5185m	>20	6			
	pm	ASTM D5185m	>10	0			
	pm	ASTM D5185m	>10	0			
,	pm	ASTM D5185m		<1			
	pm	ASTM D5185m		0			
	pm		>10	3			
	pm	ASTM D5185m	>10	0			
		ASTM D5185m		2			
	ppm	ASTM D5165III	>10	_			
	ppm		>10	<1 <1			
	ppm	ASTM D5185m					
	ppm	ASTM D5185m		<1			
ADDITIVES		method	limit/base	current	history1	history2	
Boron	pm	ASTM D5185m	5	0			
Barium p	pm	ASTM D5185m	5	0			
	ppm	ASTM D5185m	5	0			
Manganese p	pm	ASTM D5185m		<1			
Magnesium p	pm	ASTM D5185m	25	1			
Calcium	pm	ASTM D5185m	200	127			
Phosphorus p	pm	ASTM D5185m	300	374			
Zinc p	pm	ASTM D5185m	370	417			
Sulfur p	pm	ASTM D5185m	2500	3849			
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon p	pm	ASTM D5185m	>20	1			
Sodium p	pm	ASTM D5185m		1			
Potassium p	pm	ASTM D5185m	>20	2			
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647	>5000	19027			
Particles >6µm		ASTM D7647	>1300	<u> </u>			
Particles >14µm		ASTM D7647	>160	74			
Particles >21µm		ASTM D7647	>40	22			
Particles >38µm		ASTM D7647	>10	3			
Particles >71µm		ASTM D7647		1			
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>^</u> 21/18/13			
FLUID DEGRADAT	ION	method	limit/base	current	history1	history2	

Acid Number (AN) mg KOH/g ASTM D8045 0.57

0.22



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: WC0780062 : 05961720 : 10662933 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Sep 2023

: 28 Sep 2023 Diagnosed : Wes Davis Diagnostician

CA US Contact: S. GARIBAY s.garibay@palfinger.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Contact/Location: S. GARIBAY - PALCAL

T:

F:

PALFINGER

CALIFORNIA 291