

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

PALFINGER Graves Component 2 Hydraulic System

Fluid AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. 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 32. 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.

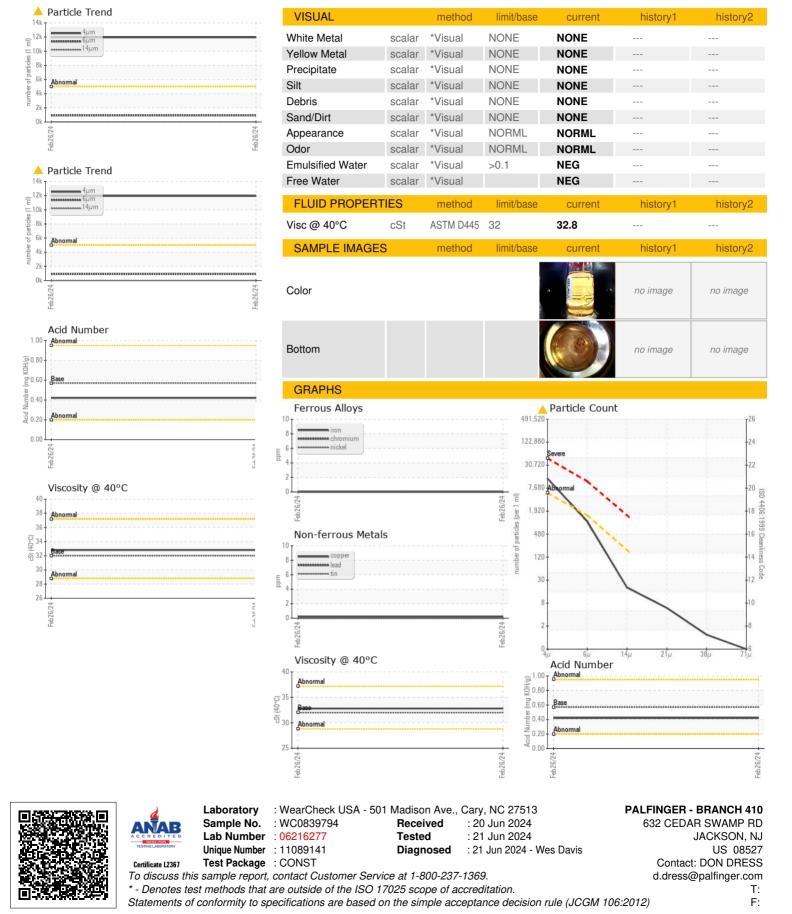
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0839794		
Sample Date		Client Info		26 Feb 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m		0		
Nickel	ppm	ASTM D5185m	>10	0		
			>10	0		
Titanium Silver	ppm	ASTM D5185m				
	ppm	ASTM D5185m	10	0		
Aluminum	ppm	ASTM D5185m		<1		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m		<1		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	9		
Barium	ppm	ASTM D5185m	5	0		
Volybdenum	ppm	ASTM D5185m	5	8		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	25	37		
Calcium	ppm	ASTM D5185m	200	237		
Phosphorus	ppm	ASTM D5185m	300	413		
Zinc	ppm	ASTM D5185m	370	525		
Sulfur	ppm	ASTM D5185m	2500	2077		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	3		
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>		
Particles >6µm		ASTM D7647	>1300	908		
Particles >14µm		ASTM D7647	>160	17		
Particles >21µm		ASTM D7647	>40	5		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.42		
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Report Id: PALJACNJ [WUSCAR] 06216277 (Generated: 06/21/2024 19:30:43) Rev: 1

Submitted By: TECHNICIAN ACCOUNT



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