

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

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	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0839795		
Sample Date		Client Info		27 Feb 2024		
Machine Age	hrs	Client Info		3077		
Oil Age	hrs	Client Info		3077		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
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	<1		
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	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	0		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium		ASTM D5185m	>10	0		
Cadmium	ppm ppm	ASTM D5185m		0		
ADDITIVES	PP	method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m	5	3		
Barium	ppm ppm	ASTM D5185m	5	0		
		ASTM D5185m	5	1		
Molybdenum	ppm		5			
Manganese	ppm	ASTM D5185m	05	<1		
Magnesium	ppm	ASTM D5185m	25	17		
Calcium	ppm	ASTM D5185m	200	149		
Phosphorus	ppm	ASTM D5185m	300	377		
Zinc	ppm	ASTM D5185m	370	451		
Sulfur	ppm	ASTM D5185m	2500	1934		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	3		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	A 11538		
Particles >6µm		ASTM D7647	>1300	717		
Particles >14µm		ASTM D7647	>160	9		
Particles >21µm		ASTM D7647	>40	2		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 21/17/10		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.39		
30:55) Bev: 1	Submitted By: TECHNICIAN ACCOUNT					

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Submitted By: TECHNICIAN ACCOUNT



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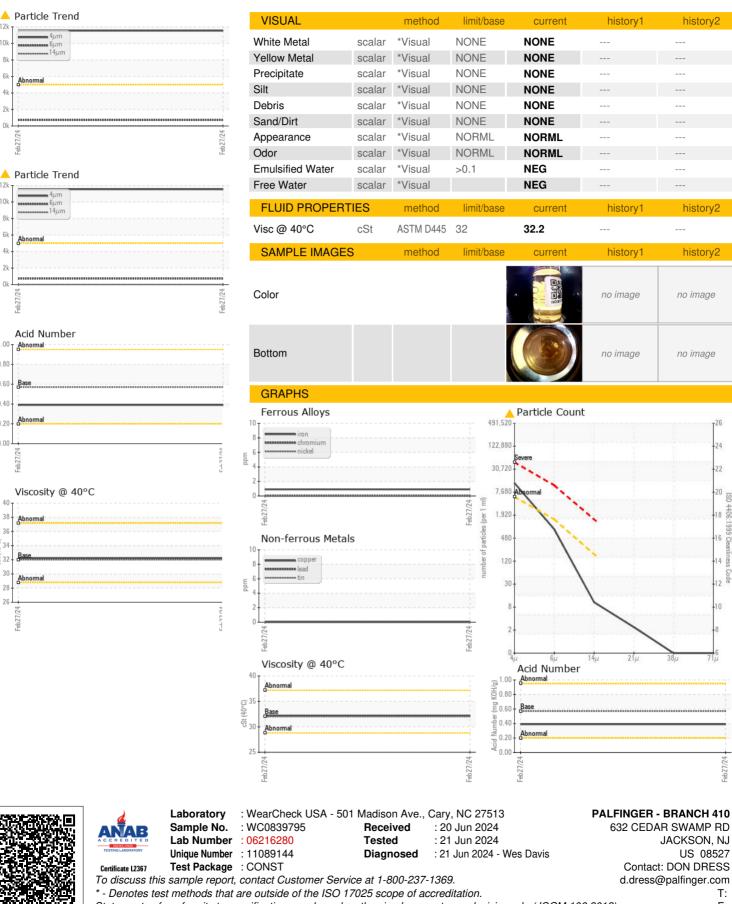
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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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history2

history

history2

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