

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

PALFINGER Millbury 56360

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	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0881187		
Sample Date		Client Info		28 May 2024		
Machine Age	hrs	Client Info		4653		
Oil Age	hrs	Client Info		4653		
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	7		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	۰ <1		
Lead		ASTM D5185m	>10	< 1 0		
	ppm			u <1		
Copper	ppm	ASTM D5185m				
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	5		
Barium	ppm	ASTM D5185m	5	0		
Molybdenum	ppm	ASTM D5185m	5	2		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	25	29		
Calcium	ppm	ASTM D5185m	200	125		
Phosphorus	ppm	ASTM D5185m	300	385		
Zinc	ppm	ASTM D5185m	370	469		
Sulfur	ppm	ASTM D5185m	2500	3841		
CONTAMINANTS	;	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 12564		
Particles >6µm		ASTM D7647	>1300	617		
Particles >14µm		ASTM D7647	>160	54		
Particles >21µm		ASTM D7647	>40	18		
				18 0		
Particles >21µm		ASTM D7647	>10			
Particles >21µm Particles >38µm		ASTM D7647 ASTM D7647	>10	0		
Particles >21µm Particles >38µm Particles >71µm	TION	ASTM D7647 ASTM D7647 ASTM D7647	>10 >3	0 0		
Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness	TION mg KOH/g	ASTM D7647 ASTM D7647 ASTM D7647 ISO 4406 (c)	>10 >3 >19/17/14 limit/base	0 0 ▲ 21/16/13		

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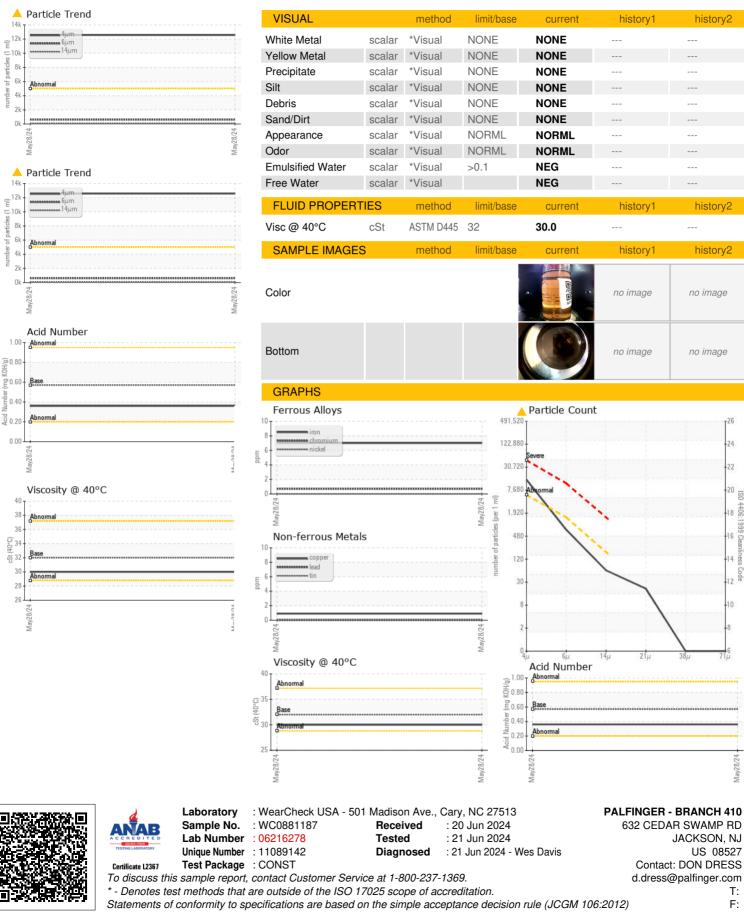
Submitted By: TECHNICIAN ACCOUNT



umber of particles

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Page 2 of 2