



OIL ANALYSIS REPORT

Area

Altec Sigma [217462] Altec Sigma (S/N 37-74806479)

Tank Return Hydraulic System Fluid SHELL TELLUS 22 (50 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

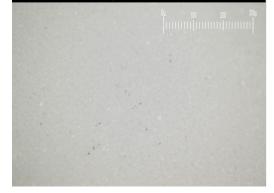
Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Particle Filter (Magn: 200 x)







NORMAL

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH0002948		
Sample Date		Client Info		10 May 2024		
Machine Age	mls	Client Info		10048		
Oil Age	mls	Client Info		10048		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>20	5		
Tin	ppm	ASTM D5185m	>20	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	11	3		
Calcium	ppm	ASTM D5185m	35	44		
Phosphorus	ppm	ASTM D5185m	259	355		
Zinc	ppm	ASTM D5185m	270	437		
Sulfur	ppm	ASTM D5185m	1849	1001		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	8491		
Particles >6µm		ASTM D7647	>2500	656		
Particles >14µm		ASTM D7647	>320	17		
Particles >21µm		ASTM D7647	>80	4		
Particles >38µm		ASTM D7647	>20	0		
		ASTM D7647	>4	0		
Particles >71µm		ASTIVI D7047	F 1	•		
Particles >71µm Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/17/11		

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Submitted By: JASON C COOLICK Page 1 of 2



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number of particles (per 1

7 68

1.92 480

12 Ê¹⁰

nber of particles (1 8

41

0

30

21

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20

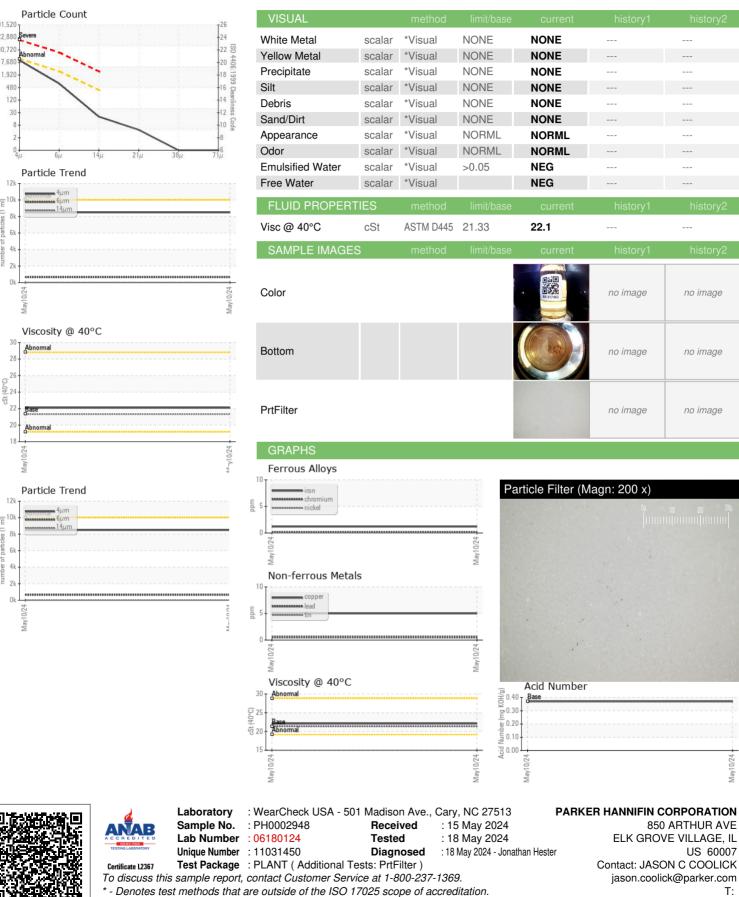
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US 60007

ELK GROVE VILLAGE, IL

jason.coolick@parker.com

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