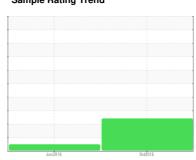


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 5011 Component

Hydraulic System

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

Free water present. The amount and size of particulates present in the system is acceptable.

Fluid Condition

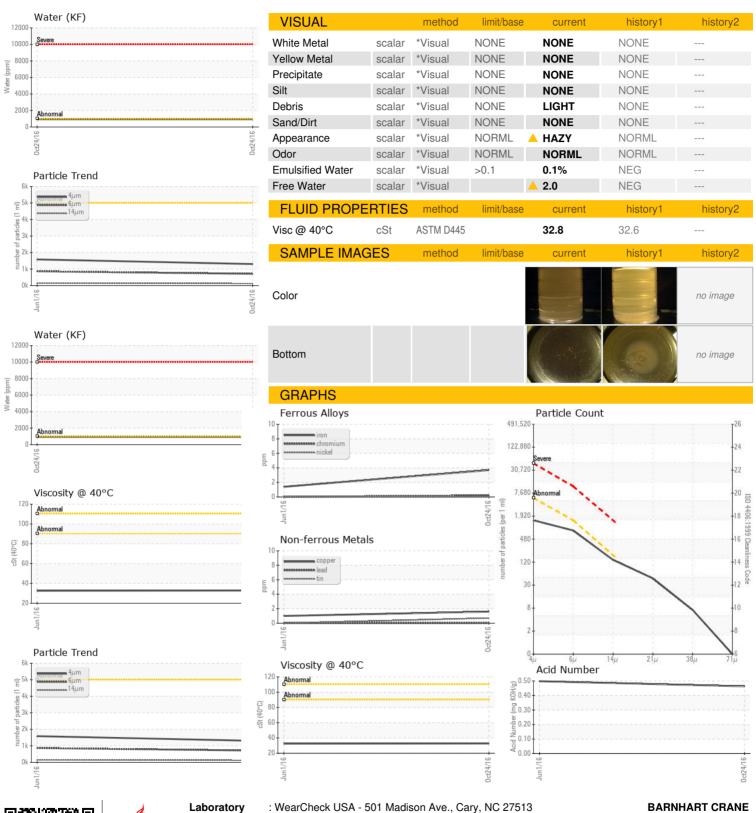
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

				···		
		,	Jun2016	Oct2016		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCAM26784	PCAM26781	
Sample Date		Client Info		24 Oct 2016	01 Jun 2016	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	1	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>75	2	1	
Tin	ppm	ASTM D5185m	>10	<1	0	
Antimony	ppm	ASTM D5185m		1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	
Barium	ppm	ASTM D5185m		<1	0	
Molybdenum	ppm	ASTM D5185m		<1	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m		4	1	
Calcium	ppm	ASTM D5185m		111	108	
Phosphorus	ppm	ASTM D5185m		275	256	
Zinc	ppm	ASTM D5185m		352	336	
Sulfur	ppm	ASTM D5185m		546	892	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	3	2	
Sodium	ppm	ASTM D5185m		0	<1	
Potassium	ppm	ASTM D5185m	>20	<1	2	
Water	%	ASTM D6304	>0.1	0.094		
ppm Water	ppm	ASTM D6304	>1000	940		
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1303	1584	
Particles >6µm		ASTM D7647	>1300	710	863	
Particles >14μm		ASTM D7647	>160	121	147	
Particles >21µm		ASTM D7647	>40	40	49	
Particles >38µm		ASTM D7647	>10	6	7	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/17/14	18/17/14	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2

0.463



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: PCAM26784 : 04172897 : 7716307

Received Diagnosed

: 02 Mar 2017 Diagnostician : Doug Bogart

: 01 Mar 2017

Test Package : MOB 2 (Additional Tests: KF)

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

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