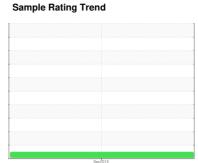


OIL ANALYSIS REPORT









Machine Id **CATERPILLAR 3499**

Component Hydraulic System Fluid CAT (30 GAL)

	iNC	

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

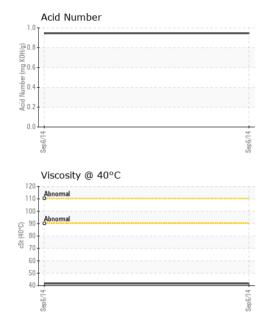
Fluid Condition

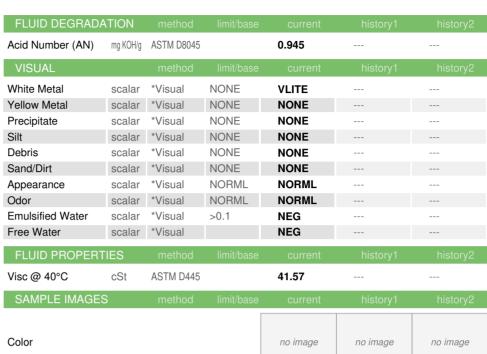
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

				Sep2014		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTKM2240191		
Sample Date		Client Info		06 Sep 2014		
Machine Age	hrs	Client Info		3678		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
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	4		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>10	<1		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	12		
Tin	ppm	ASTM D5185m	>10	0		
Antimony	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		7		
Calcium	ppm	ASTM D5185m		182		
Phosphorus	ppm	ASTM D5185m		648		
Zinc	ppm	ASTM D5185m		840		
Sulfur	ppm	ASTM D5185m		1536		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	3		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	10		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
	NESS	method ASTM D7647	limit/base	531	history1	history2
Particles >4µm	IESS					
Particles >4μm Particles >6μm	IESS	ASTM D7647		531		
Particles >4µm Particles >6µm Particles >14µm	IESS	ASTM D7647 ASTM D7647	>2500	531 289		
Particles >4μm Particles >6μm Particles >14μm Particles >21μm	IESS	ASTM D7647 ASTM D7647 ASTM D7647	>2500 >320	531 289 49		
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm Particles >71μm	IESS	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>2500 >320 >80	531 289 49 16		



OIL ANALYSIS REPORT





	491,520 _T	T/
necessassas chromium	122,880 -	14
	30,720	T ²
4	₹ 7,680	+2
Sep 6/14	7,000 t	+1
Non-ferrous Metals	Sep 6.14.	
copper	120-	+1
**************************************	30-	-
	8 Sibrese mal	
Eps. 6 1/9	1/9 day	
	δ 0 4μ 6μ 14μ	21μ 38μ 71μ
Viscosity @ 40°C	Acid Number	21μ 30μ 71μ
Q	0.0 0.0 (mg KOH/g)	
Abnormal	E	
	age of the second	
	Sep 6/14 Acid N Sep 6/14	



Certificate 12367

Laboratory Sample No.

: PTKM2240191 Lab Number : 03584204 Unique Number : 6747132

Bottom

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Test Package : MOB 2

Received : 18 Sep 2014 **Tested** : 21 Sep 2014 Diagnosed

: 21 Sep 2014 - Jonathan Hester

no image

no image

no image

6770 S DAWSON CIRCLE SUITE 300 CENTENNIAL, CO US 80112-4224 Contact: MR JONES

carj04@juno.com T: (720)377-2171 F: (720)377-2172

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)

Report Id: MRBCEN [WUSCAR] 03584204 (Generated: 04/26/2024 09:12:36) Rev: 1

Contact/Location: MR JONES ? - MRBCEN

MR BULTS