WEAR CONTAMINATION FLUID CONDITION

NORMAL

ABNORMAL

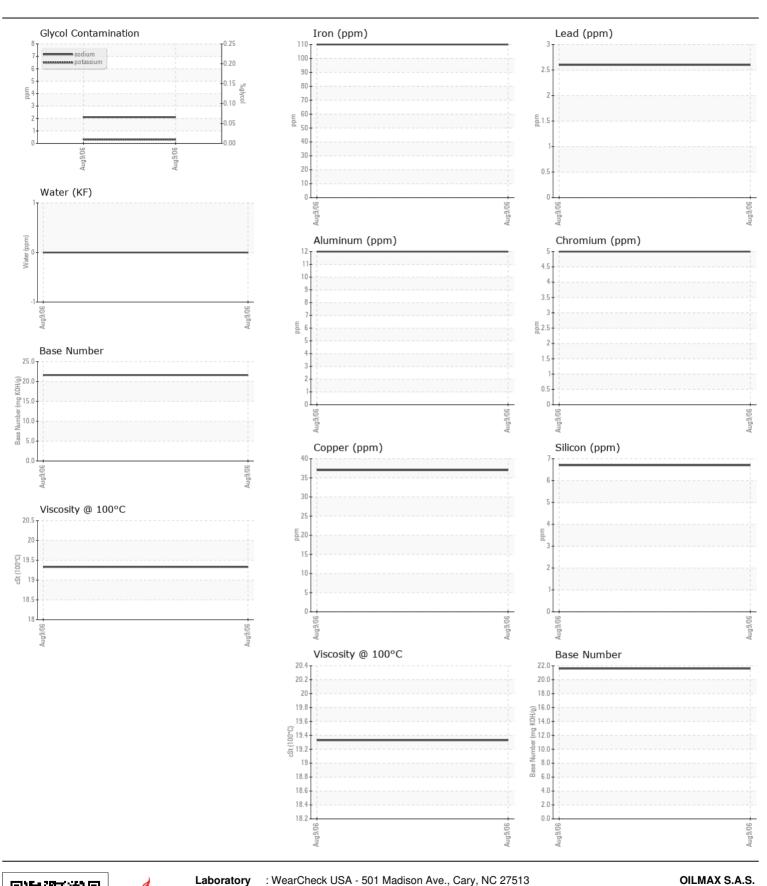
NORMAL

Machine Id

CATERPILLAR EMD CAT 3412

not provided (20 GAL)							
not provided} (20 GAL)	T4		Mathad			Listand	LEstano
ECOMMENDATION	Test Sample Number	UOM	Method	Limit/Abn	Current	History1	History
The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.			Client Info		RP034742		
	Sample Date Machine Age	hro	Client Info		09 Aug 2006		
	Oil Age	hrs hrs	Client Info		1197 740		
	Filter Age	hrs	Client Info		740		
	Oil Changed	1113	Client Info		Not Change		
	Filter Changed		Client Info		Changed		
	Sample Status		Onone into		ABNORMAL		
/EAR	Iron	ppm	ASTM D5185m		110		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		5		
	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		12		
	Lead	ppm	ASTM D5185m		3		
	Copper	ppm	ASTM D5185m		37		
	Tin	ppm	ASTM D5185m		2		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon	nnm	ASTM D5185m		7		
CONTAMINATION		ppm			/ <1		
There is a light concentration of water present in the oil. No evidence of antifreeze present in the oil.	Potassium Fuel	ppm	ASTM D5185m WC Method		<1.0		
	Water	%	ASTM D6304		▲ 0.270		
	Glycol	%	*ASTM D2982		NEG		
	Soot %	%	*ASTM D7844		1.1		
	Nitration	Abs/cm	*ASTM D7624		0.15		
	Sulfation	Abs/.1mm	*ASTM D7415		0.13		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water		*Visual		0.2%		
LUID CONDITION	Sodium	ppm	ASTM D5185m		2		
The condition of oil is suitable for further service.	Boron	ppm	ASTM D5185m		3		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		113		
	Manganese	ppm	ASTM D5185m		2		
	Magnesium	ppm	ASTM D5185m		2447		
	Calcium	ppm	ASTM D5185m		5626		
	Phosphorus	ppm	ASTM D5185m		843		
	Zinc	ppm	ASTM D5185m		1249		
	Oxidation	Abs/.1mm	*ASTM D7414		0.47		
	Base Number (BN)	mg KOH/g	ASTM D2896		21.6		
	Visc @ 100°C	cSt	ASTM D445		19.33		

Contact/Location: DANNY BARREIRO - PETQUI





Report Id: PETQUI [WUSCAR] 01827828 (Generated: 03/16/2024 10:21:10) Rev: 1

Laboratory Sample No.

: RP034742 Lab Number : 01827828

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

Received **Tested**

: 05 Sep 2006 : 07 Sep 2006 AV 6 DICIEMBRE Y GASPAR CANTERO

QUITO-ECUADOR,

: 07 Sep 2006 - Doug Bogart Unique Number : 3885658 Diagnosed Test Package : MOB 2 (Additional Tests: Glycol, KF)

Contact: DANNY BARREIRO oilmax.ec@gmail.com

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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