

# **OIL ANALYSIS REPORT**

## Sample Rating Trend





HAITIAN GROUP CO. LT HTF 530X INY-530X (S/N 0605053016616EX311) Component

**Rear Hydraulic System** 

ISO 68 (330 GAL)

## **DIAGNOSIS**

#### Recommendation

We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

#### Contamination

There is a moderate amount of particulates present in the oil. Free water present. There is a trace of moisture present in the oil.

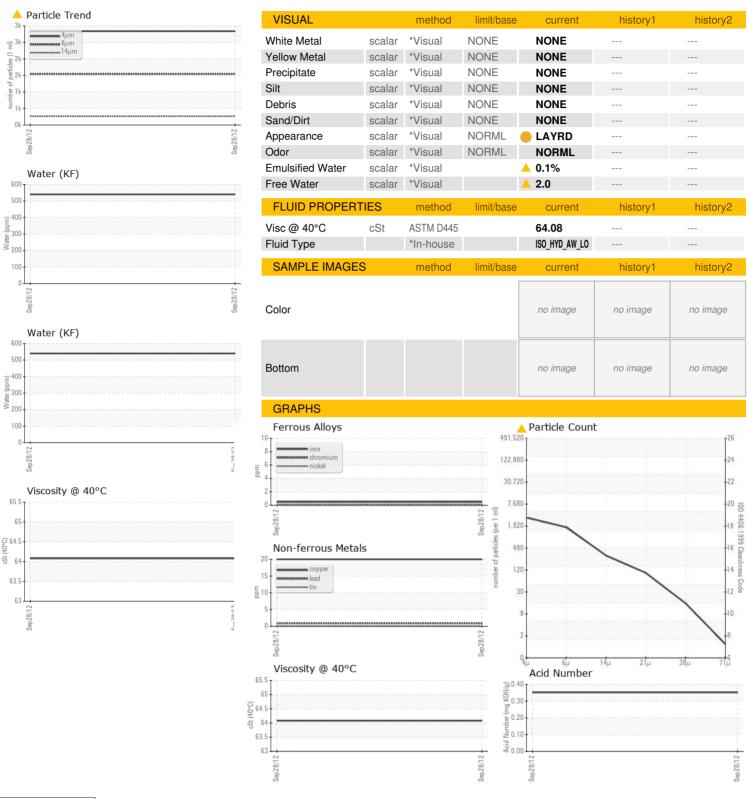
### **Fluid Condition**

The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP76380		
Sample Date		Client Info		28 Sep 2012		
Machine Age	hrs	Client Info		64920		
Oil Age	hrs	Client Info		13200		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		<1		
Chromium	ppm	ASTM D5185m		<1		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		0		
Lead	ppm	ASTM D5185m		<1		
Copper	ppm	ASTM D5185m		20		
Tin	ppm	ASTM D5185m		0		
Antimony	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
	ppiii			•		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		15		
Phosphorus	ppm	ASTM D5185m		282		
Zinc	ppm	ASTM D5185m		266		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m		0		
Water	%	ASTM D6304		<u> </u>		
ppm Water	ppm	ASTM D6304		<u></u> 40		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2839		
Particles >6µm		ASTM D7647		<b>1546</b>		
Particles >14μm		ASTM D7647		<b>△</b> 263		
Particles >21µm		ASTM D7647		<u> </u>		
Particles >38µm		ASTM D7647		<u>▲</u> 13		
Particles >71µm		ASTM D7647		<u> </u>		
Oil Cleanliness		ISO 4406 (c)		<u> </u>		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.352		
AGIO NUMBER (AIN)	ilig NOI I/g	70 LINI D0049		0.002		



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Laboratory Sample No. Lab Number Unique Number : 6042436

: RP76380 : 03149950

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

: 01 Oct 2012 **Tested** : 04 Oct 2012

**OILMAX S.A.S.** AV 6 DICIEMBRE Y GASPAR CANTERO QUITO-ECUADOR,

Contact: DANNY BARREIRO

Diagnosed : 04 Oct 2012 - Jonathan Hester

Test Package: IND 2 (Additional Tests: FluidDetermination) Certificate L2367 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.

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

F: x: