



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
Hydraulics
 Machine Id
INJECTION MOULD #64
 Component
Hydraulic System
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

▲ Recommendation

We recommend either performing an oil change or oil filtration. We cannot recommend specific action as we have limited information with regards to reservoir capacity and/or lubricant type.

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate amount of particulates (5 to 50 microns in size) present in the oil.

Fluid Condition

The condition of oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC22053379	---	---
Sample Date	Client Info	24 Oct 2006	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m)	7	---	---
Chromium	ppm ASTM D5185(m)	<1	---	---
Nickel	ppm ASTM D5185(m)	0	---	---
Titanium	ppm ASTM D5185(m)	0	---	---
Silver	ppm ASTM D5185(m)	<1	---	---
Aluminum	ppm ASTM D5185(m)	<1	---	---
Lead	ppm ASTM D5185(m)	2	---	---
Copper	ppm ASTM D5185(m)	14	---	---
Tin	ppm ASTM D5185(m)	2	---	---
Vanadium	ppm ASTM D5185(m)	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<1	---	---
Barium	ppm ASTM D5185(m)	2	---	---
Molybdenum	ppm ASTM D5185(m)	<1	---	---
Manganese	ppm ASTM D5185(m)	<1	---	---
Magnesium	ppm ASTM D5185(m)	57	---	---
Calcium	ppm ASTM D5185(m)	82	---	---
Phosphorus	ppm ASTM D5185(m)	508	---	---
Zinc	ppm ASTM D5185(m)	576	---	---
Sulfur	ppm ASTM D5185(m)	2057	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	9	---	---
Sodium	ppm ASTM D5185(m)	<1	---	---
Potassium	ppm ASTM D5185(m)	<1	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	5817	---	---
Particles >6µm	ASTM D7647	▲ 1814	---	---
Particles >14µm	ASTM D7647	▲ 315	---	---
Particles >21µm	ASTM D7647	75	---	---
Particles >38µm	ASTM D7647	3	---	---
Particles >71µm	ASTM D7647	0	---	---
Oil Cleanliness	ISO 4406 (c)	▲ 20/18/15	---	---

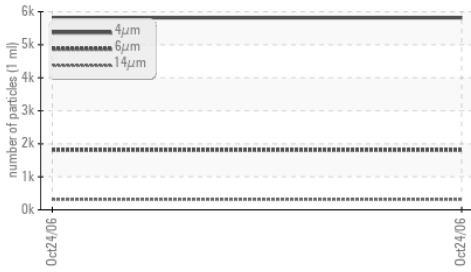
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D974*	0.70	---	---

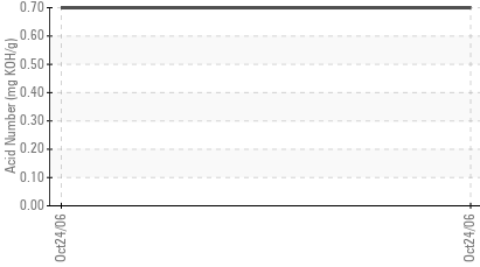


OIL ANALYSIS REPORT

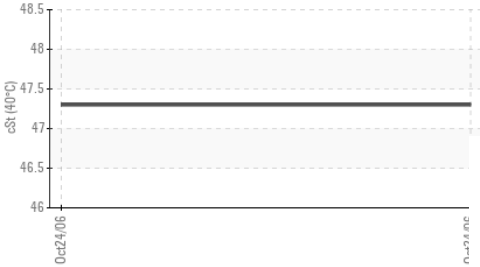
▲ Particle Trend



Acid Number



Viscosity @ 40°C



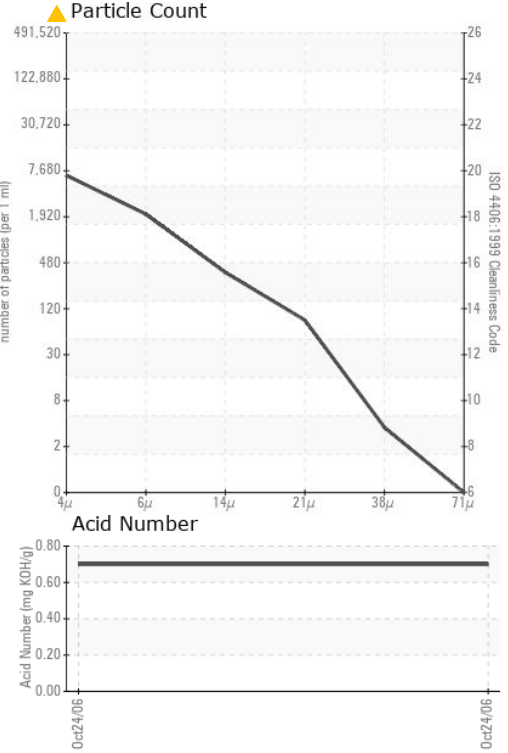
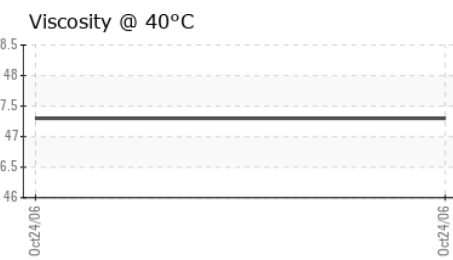
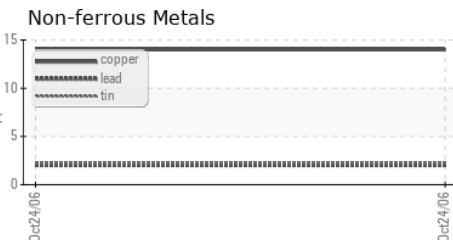
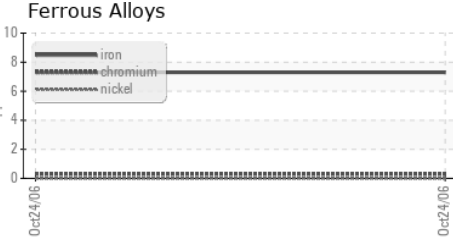
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	NEG	---	---	
Free Water	scalar	Visual*	NEG	---	---	

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	47.3	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color		no image	no image
Bottom		no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC22053379 **Received** : 25 Oct 2006
Lab Number : **01338007** **Tested** : 27 Oct 2006
Unique Number : 2332392 **Diagnosed** :
Test Package : IND 2 (Additional Tests: SCREEN)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.