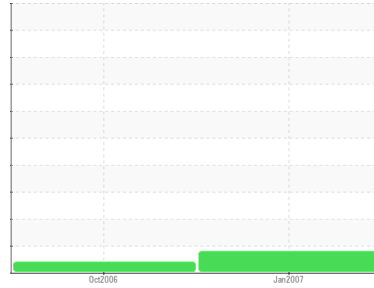




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
Hydraulics
 Machine Id
INJECTION MOULD #65
 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 100 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		WC22056071	WC22053373	---
Sample Date	Client Info		31 Jan 2007	24 Oct 2006	---
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	ABNORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	7	7	---
Chromium	ppm	ASTM D5185(m)	<1	<1	---
Nickel	ppm	ASTM D5185(m)	<1	0	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	0	<1	---
Aluminum	ppm	ASTM D5185(m)	0	<1	---
Lead	ppm	ASTM D5185(m)	1	2	---
Copper	ppm	ASTM D5185(m)	21	21	---
Tin	ppm	ASTM D5185(m)	<1	1	---
Vanadium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	<1	---
Barium	ppm	ASTM D5185(m)	1	1	---
Molybdenum	ppm	ASTM D5185(m)	<1	<1	---
Manganese	ppm	ASTM D5185(m)	<1	<1	---
Magnesium	ppm	ASTM D5185(m)	55	59	---
Calcium	ppm	ASTM D5185(m)	90	91	---
Phosphorus	ppm	ASTM D5185(m)	557	524	---
Zinc	ppm	ASTM D5185(m)	597	598	---
Sulfur	ppm	ASTM D5185(m)	2215	2188	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	3	4	---
Sodium	ppm	ASTM D5185(m)	5	1	---
Potassium	ppm	ASTM D5185(m)	<1	0	---

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		18855	6184	---
Particles >6µm	ASTM D7647		▲ 3551	1229	---
Particles >14µm	ASTM D7647		▲ 347	▲ 216	---
Particles >21µm	ASTM D7647		102	65	---
Particles >38µm	ASTM D7647		5	5	---
Particles >71µm	ASTM D7647		0	0	---
Oil Cleanliness	ISO 4406 (c)		▲ 21/19/16	▲ 20/17/15	---

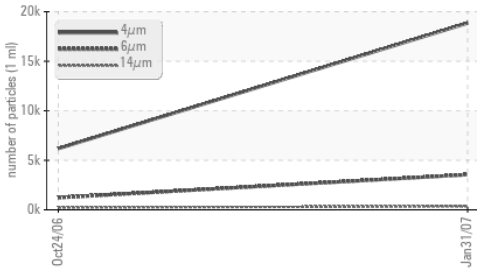
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.581	0.71	---

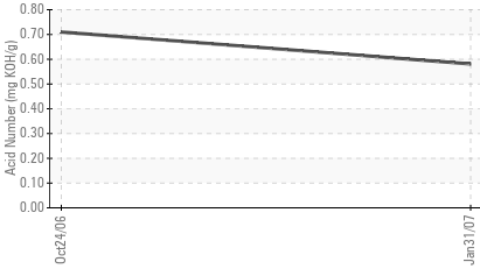


OIL ANALYSIS REPORT

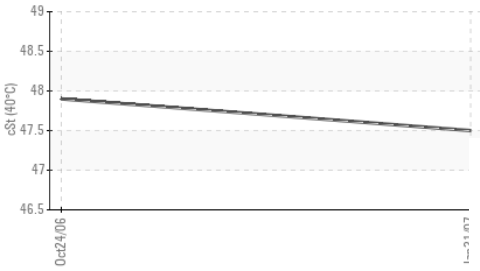
▲ Particle Trend



Acid Number



Viscosity @ 40°C



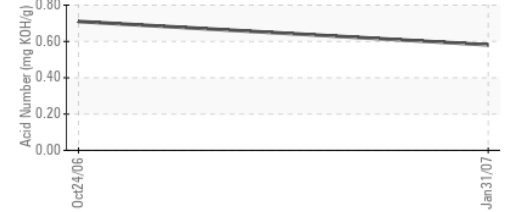
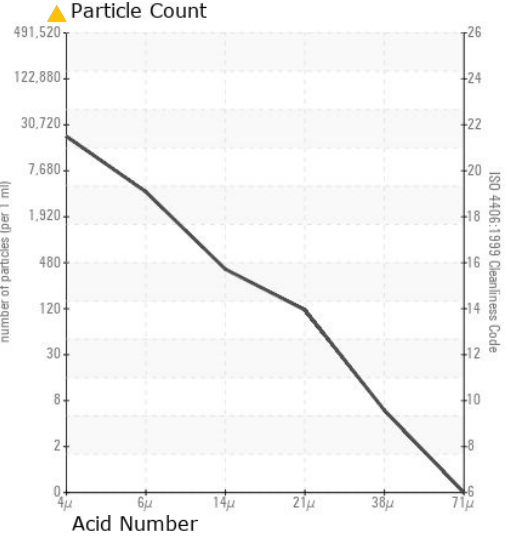
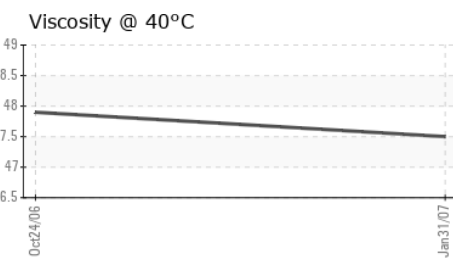
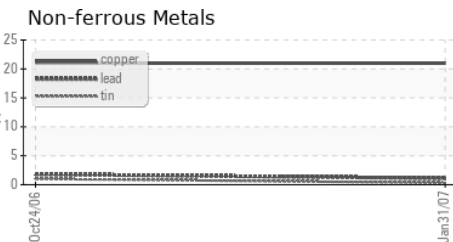
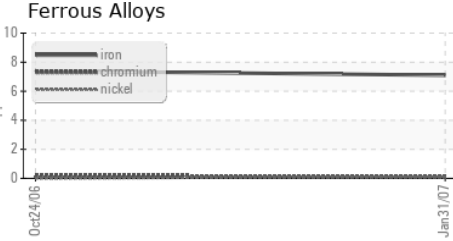
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	47.5	47.9	---

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. : WC22056071 **Received** : 31 Jan 2007
Lab Number : 01359033 **Tested** : 02 Feb 2007
Unique Number : 2385431 **Diagnosed** :
Test Package : IND 2 (Additional Tests: SCREEN, TAN Man)

ABC Manufacturing
 555 NORTH SERVICE ROAD EAST
 Detroit,
 US 76100
 Contact: Jim Smith
 jim.smith@abcmanufacturing.com
 T: (311)555-1212
 F: (311)555-1313

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.