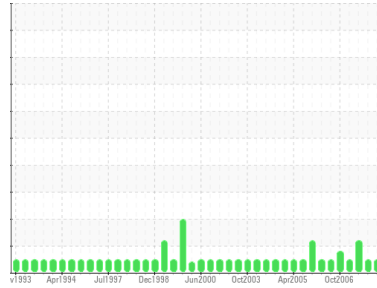




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
Hydraulics
 Machine Id
PRESS #2

Component
Hydraulic System
 Fluid

SUNOCO SUNVIS 846 ISO 46 (550 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

The condition of oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC22065185	WC22062402	WC22059172
Sample Date	Client Info			20 Feb 2008	27 Sep 2007	30 May 2007
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		8	7	7
Chromium	ppm	ASTM D5185(m)		<1	<1	<1
Nickel	ppm	ASTM D5185(m)		<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)		<1	0	<1
Lead	ppm	ASTM D5185(m)		2	2	3
Copper	ppm	ASTM D5185(m)		22	24	23
Tin	ppm	ASTM D5185(m)		1	1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	0	<1
Barium	ppm	ASTM D5185(m)		2	2	2
Molybdenum	ppm	ASTM D5185(m)		<1	<1	<1
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		75	72	79
Calcium	ppm	ASTM D5185(m)		87	79	90
Phosphorus	ppm	ASTM D5185(m)		626	603	598
Zinc	ppm	ASTM D5185(m)		689	668	685
Sulfur	ppm	ASTM D5185(m)		2445	2355	2381

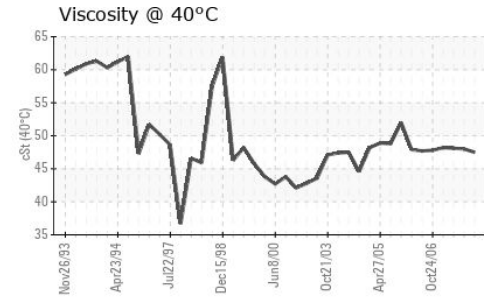
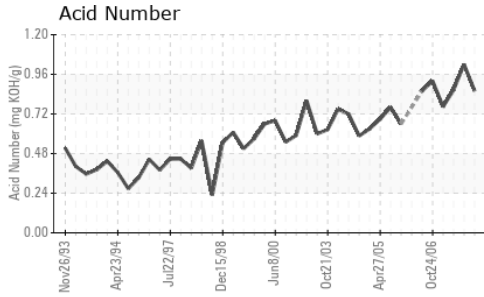
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		5	6	6
Sodium	ppm	ASTM D5185(m)		4	4	3
Potassium	ppm	ASTM D5185(m)		<1	1	2

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4139	3079	▲ 10791
Particles >6µm		ASTM D7647		739	666	▲ 2683
Particles >14µm		ASTM D7647		57	46	▲ 342
Particles >21µm		ASTM D7647		14	12	102
Particles >38µm		ASTM D7647		2	1	7
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)		19/17/13	19/17/13	▲ 21/19/16

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.86	1.02	0.866



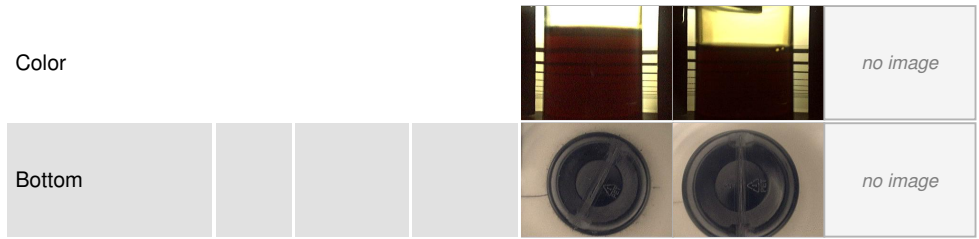
OIL ANALYSIS REPORT



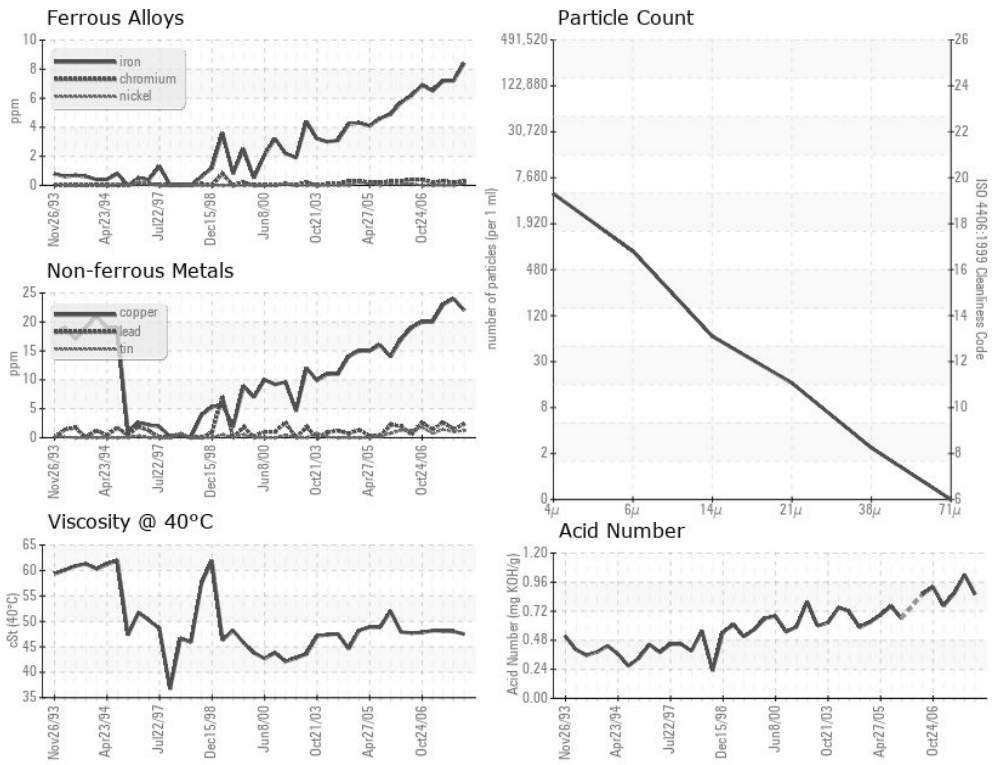
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	47.5	48.0	48.1

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC22065185 **Received** : 21 Feb 2008
Lab Number : 01444529 **Tested** : 22 Feb 2008
Unique Number : 2607305 **Diagnosed** :
Test Package : IND 2 (Additional Tests: SCREEN)

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.