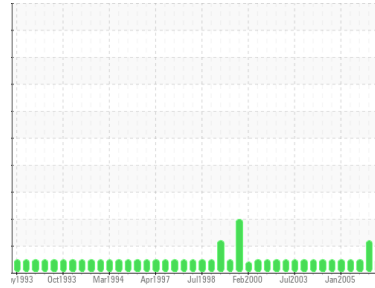




OIL ANALYSIS REPORT

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			WC22048483	WC22045392	WC22043231
Sample Date	Client Info			27 Mar 2006	07 Dec 2005	30 Aug 2005
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	ABNORMAL	NORMAL

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)		6	5	5
Chromium	ppm	ASTM D5185(m)		<1	<1	<1
Nickel	ppm	ASTM D5185(m)		<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)		<1	<1	<1
Lead	ppm	ASTM D5185(m)		2	2	<1
Copper	ppm	ASTM D5185(m)		17	14	16
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	1	1
Barium	ppm	ASTM D5185(m)		2	2	2
Molybdenum	ppm	ASTM D5185(m)		<1	<1	0
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		76	63	69
Calcium	ppm	ASTM D5185(m)		87	86	86
Phosphorus	ppm	ASTM D5185(m)		561	540	525
Zinc	ppm	ASTM D5185(m)		620	583	614
Sulfur	ppm	ASTM D5185(m)		2258	2014	2104

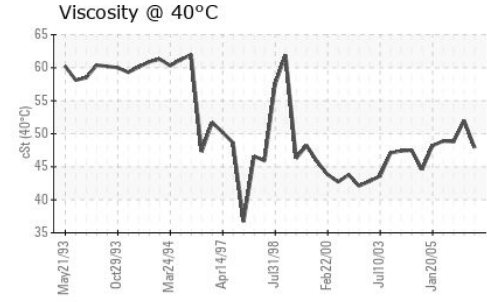
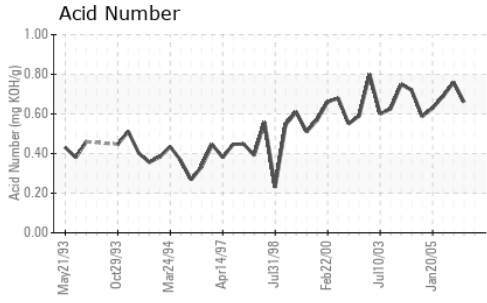
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		6	5	3
Sodium	ppm	ASTM D5185(m)		4	3	3
Potassium	ppm	ASTM D5185(m)		2	2	0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1743	7360	768
Particles >6µm		ASTM D7647		672	▲ 3003	334
Particles >14µm		ASTM D7647		78	▲ 510	74
Particles >21µm		ASTM D7647		14	136	27
Particles >38µm		ASTM D7647		2	10	5
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)		18/17/13	▲ 20/19/16	17/16/13

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		---	0.66	0.76



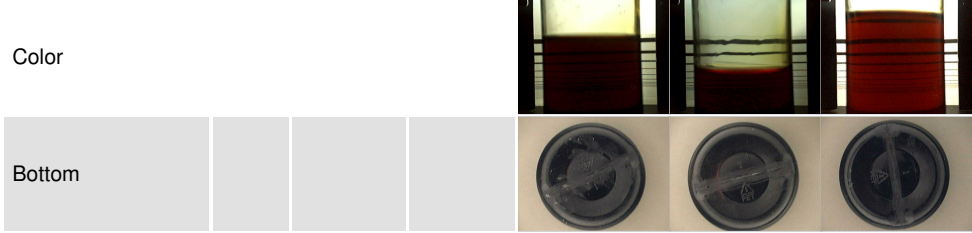
OIL ANALYSIS REPORT



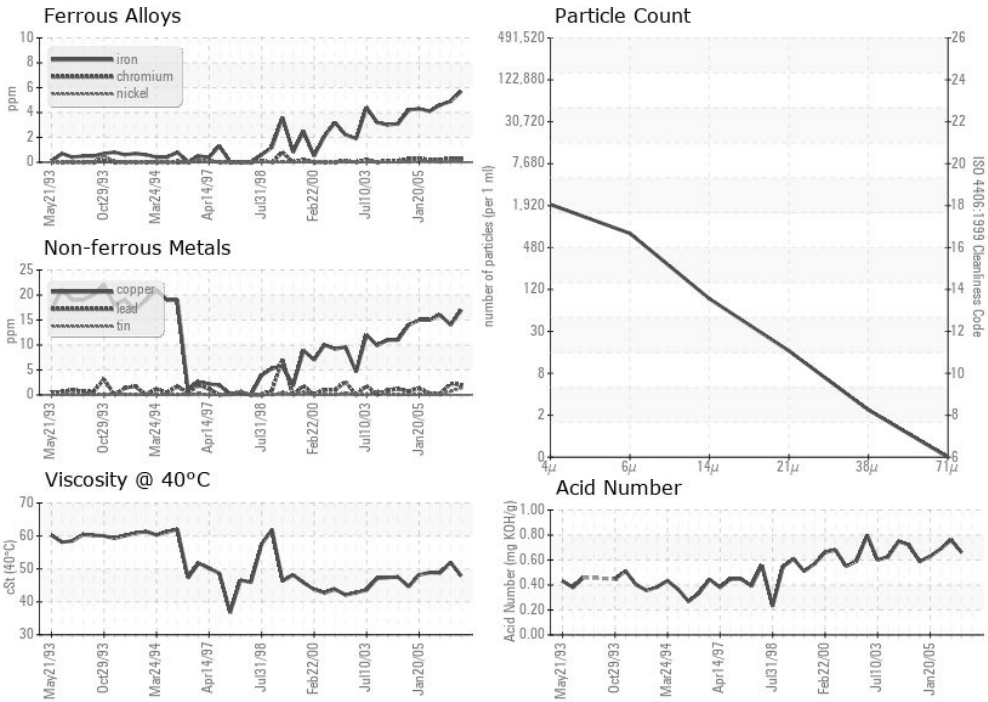
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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)	47.9	▲ 52.0	48.8

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. : WC22048483
Lab Number : **01284754**
Unique Number : 2191065
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.