



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
N06
Machine Id
Unit 6 Main Turbine Oil System
Component
Tank Journal Bearing
Fluid
ESSO TERESSO ISO 46 (18900 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CB0000956	WC730333	WC730335
Sample Date		Client Info		01 Feb 2008	07 Sep 2007	07 Sep 2007
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)		<1	<1	<1
Chromium	ppm	ASTM D5185(m)		0	0	0
Nickel	ppm	ASTM D5185(m)		0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)		<1	0	0
Lead	ppm	ASTM D5185(m)		<1	0	0
Copper	ppm	ASTM D5185(m)		<1	0	0
Tin	ppm	ASTM D5185(m)		<1	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

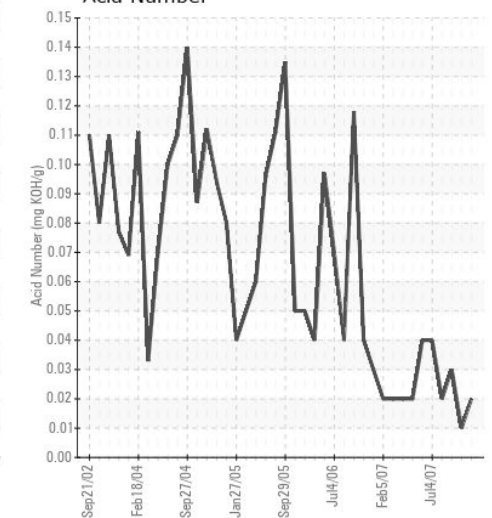
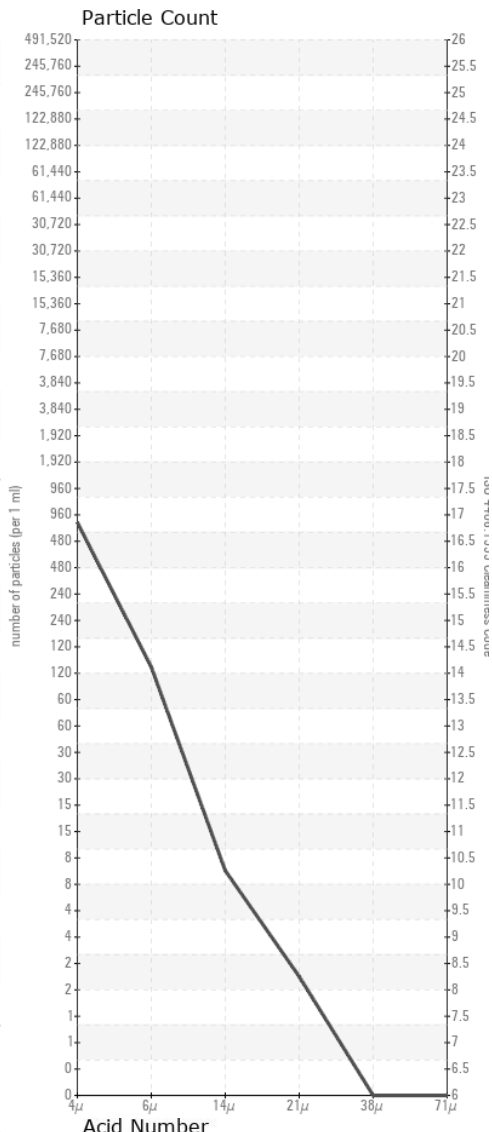
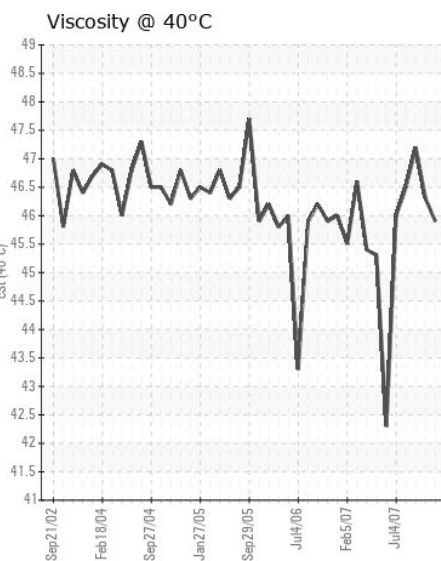
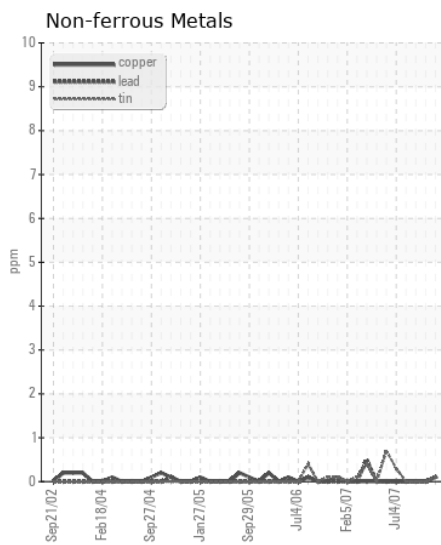
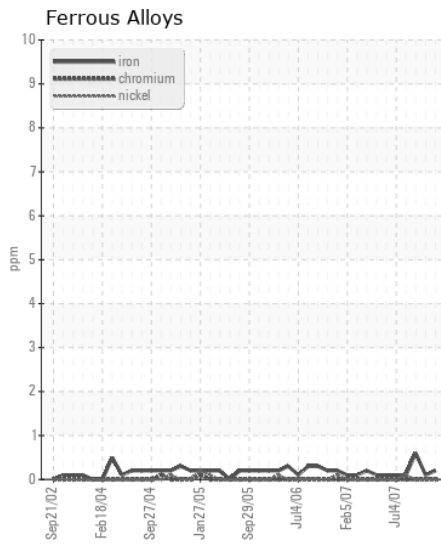
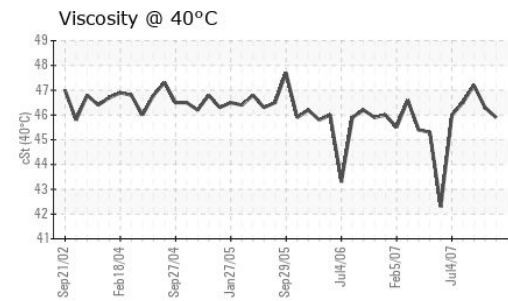
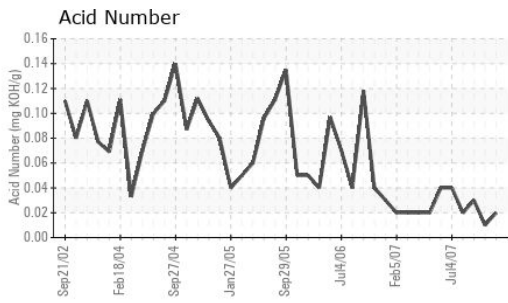
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)		1	<1	<1
Potassium	ppm	ASTM D5185(m)		1	0	0
Water		WC Method		NEG	NEG	NEG
Particles >4µm		ASTM D7647		763	9955	1179
Particles >6µm		ASTM D7647		115	▲ 2733	▲ 237
Particles >14µm		ASTM D7647		8	209	15
Particles >21µm		ASTM D7647		2	53	5
Particles >38µm		ASTM D7647		0	4	1
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)		17/14/10	▲ 20/19/15	▲ 17/15/11
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*		NEG	---	---

FLUID CONDITION

The condition of oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		0	4	4
Boron	ppm	ASTM D5185(m)		<1	0	<1
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		0	0	0
Calcium	ppm	ASTM D5185(m)		9	0	0
Phosphorus	ppm	ASTM D5185(m)		7	2	2
Zinc	ppm	ASTM D5185(m)		4	<1	0
Sulfur	ppm	ASTM D5185(m)		1614	1541	1522
Acid Number (AN)	mg KOH/g	ASTM D974*		0.02	0.01	0.03
Visc @ 40°C	cSt	ASTM D7279(m)		45.9	46.3	47.2



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CB0000956 **Received** : 06 Feb 2008
Lab Number : 01441384 **Diagnosed** : 07 Feb 2008
Unique Number : 2604160 **Diagnostician** :
Test Package : IND 2

O.P.G.
 P.O. BOX 2000
 NANTICOKE, ON
 CA N0A 1L0
 Contact: Stacey Wark
 stacey.wark@opg.com
 T: (519)587-2201
 F: (519)587-6829

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.