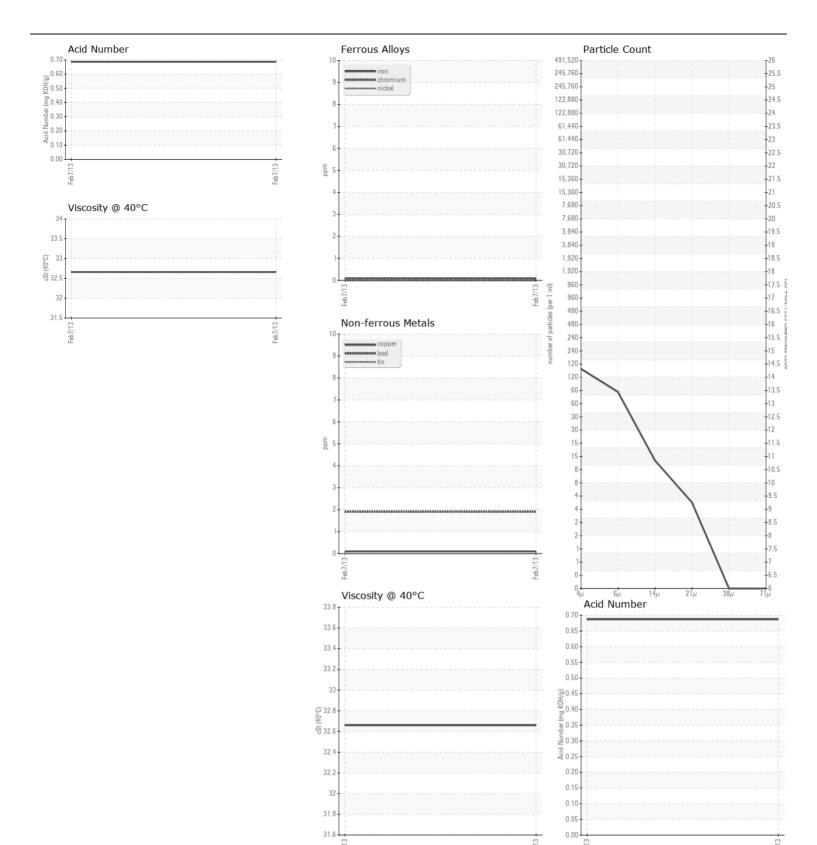
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

Machine Id

NG BPH1501804 NOT GIVEN BPH1501804

Compressor

[not provided} (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
	Sample Number		Client Info		BPH1501804		
Resample at the next service interval to monitor.	Sample Date		Client Info		07 Feb 2013		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				NORMAL		
VEAR	Iron	ppm	ASTM D5185m		<1		
VEAIL	Chromium	ppm	ASTM D5185m		0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		0		
	Lead		ASTM D5185m		2		
	Copper	ppm	ASTM D5185m		<1		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm			0		
		ppm	ASTM D5185m	NONE	-		
	White Metal	scalar	*Visual	NONE	NONE		
<u></u>	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		<1		
	Potassium	ppm	ASTM D5185m		0		
There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.	Water		WC Method		NEG		
	Particles >4µm		ASTM D7647		132		
	Particles >6µm		ASTM D7647		72		
	Particles >14μm		ASTM D7647		12		
	Particles >21µm		ASTM D7647		4		
	Particles >38μm		ASTM D7647		0		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		14/13/11		
	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		*Visual		NEG		
LUID CONDITION	Sodium	nnm	ASTM D5185m		0		
LUID CONDITION	Boron	ppm	ASTM D5185m		0		
The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m				
		ppm	ASTM D5185m		0		
	Molybdenum	ppm			0		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		<1		
	Calcium	ppm	ASTM D5185m		49		
	Phosphorus	ppm	ASTM D5185m		349		
	Zinc	ppm	ASTM D5185m		414		
	Sulfur	ppm	ASTM D5185m		846		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.687		
	Visc @ 40°C	cSt	ASTM D445		32.66		
	Fluid Type		*In-house		ISO_HYD_AW_LO		







Certificate L2367

Laboratory Sample No.

Lab Number : 03223926 Unique Number : 6161509

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : BPH1501804

Received

Tested Diagnosed Test Package: IND 2 (Additional Tests: FluidDetermination, PrtCount)

: 07 Feb 2013 : 08 Feb 2013 : 08 Feb 2013 - Don Baldridge

HILCORP EXPLORATION ALASKA - MILNE POINT 1000 MILNE POINT RD PRUDOE BAY, AK US 99734

Contact: Evan Reilly evan.reilly@hilcorp.com T: (907)670-3231

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: x: